


University of Aberdeen

Cruickshank Science Library
Subject Catalogue

Aberdeen

Printed at the University Press

1921



Digitized by the Internet Archive
in 2007 with funding from
Microsoft Corporation

Oct 18/72
Aberdeen Univ

Aberdeen Univ. Studies. No. 82

Aberdeen
University
Studies
No. 82



Subject Catalogue
of the
Cruickshank Science Library

University of Aberdeen.

UNIVERSITY STUDIES.

General Editor : P. J. ANDERSON, LL.B., Librarian to the University.

1900-1913. Nos. 1-63.

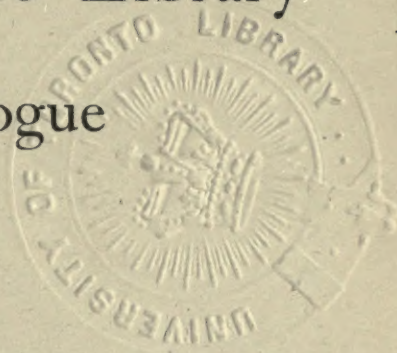
1914. No. 64.—*Zoological Studies*. Professor Thomson and others. Ser. VIII.
" No. 65.—*Highland Host of 1678*. J. R. Elder, D.Litt.
" No. 66.—*Concise Bibliography of Aberdeen, Banff, and Kincardine*. J. F. Kellas Johnstone.
" No. 67.—*Bishop Burnet as Educationist*. John Clarke, M.A.
1915. No. 68.—*Territorial Soldiering in N.E. Scotland*. J. M. Bulloch, M.A.
" No. 69.—*Proceedings of the Anatomical and Anthropological Society, 1908-14*.
" No. 70.—*Zoological Studies*. Professor Thomson and others. Ser. IX.
" No. 71.—*Aberdeen University Library Bulletin*. Vol. II.
1916. No. 72.—*Physiological Studies*. Professor MacWilliam, F.R.S., and others. Ser. I.
1917. No. 73.—*Concise Bibliography of Inverness-shire*. P. J. Anderson.
" No. 74.—*The Idea of God*. Professor Pringle-Pattison. (Gifford Lectures, 1912-13.)
" No. 75.—*Interamna Borealis*. W. Keith Leask, M.A.
" No. 76.—*Roll of Medical Service of British Army*. Col. W. Johnston, C.B., LL.D.
1918. No. 77.—*Aberdeen University Library Bulletin*. Vol. III.
" No. 78.—*Moral Values and the Idea of God*. W. R. Sorley, Litt.D. (Gifford Lect., 1914-15.)
1919. No. 79.—*God and Personality*. C. C. J. Webb, M.A. (Gifford Lect., 1918.)
1920. No. 80.—*Divine Personality and Human Life*. C. C. J. Webb. (Gifford Lect., 1919.)
" No. 81.—*Bulletins of College of Agriculture*. Nos. 15-27.
1921. No. 82.—*Subject Catalogue of Cruickshank Science Library*.
" No. 83.—*Physical Geology of the Don Basin*. Alexander Bremner, D.Sc.
" No. 84.—*Roll of Service, 1914-19*. M. D. Allardyce.
" No. 85.—*Catalogue of Taylor Collection*.

~~Unit~~
A

University of Aberdeen

Cruickshank Science Library

Subject Catalogue



174650
18.10.

Aberdeen

Printed at the University Press

1921



Z

7409

A23

1921

CONTENTS.

	PAGE
INTRODUCTION	vii
Table A : Subdivisions of '5 and '6	13
Table B : Form divisions	24
Table C : Place divisions	25
CATALOGUE :—	
'5 Pure Science, General.	27
'51 Mathematics	40
'52 Astronomy	65
'53 Physics	75
'54 Chemistry	96
'55 Geology	121
'56 Palæontology	139
'57 Biology	148
'58 Botany	170
'59 Zoology	199
'6 Applied Science	
'619 Veterinary Science	230
'62 Engineering	232
'63 Agriculture	234
'634 Forestry	249
'66 Chemical Technology	258
INDEX OF SUBJECTS	265
INDEX OF AUTHORS	272

INTRODUCTION.

THIS Subject Catalogue of the Cruickshank Science Library contains the titles of about one-third of the books in the Departments of Pure Science (Mathematics, Astronomy, Physics, Chemistry, Geology, Palæontology, Biology, Botany, Zoology, Anthropology) and Agriculture, including Forestry and Veterinary Science—being those which it is specially desired to bring under the notice of the student. The remaining two-thirds are titled either in the author catalogues printed in 1873-74, 1887 and 1897, or in the manuscript sheaf catalogues (both of authors and of subjects), which may be consulted in the Library.

To keep the booklet of a convenient size, the titles have been cut down as far as is consistent with clearness. Authors' pre-names are entered as initials only, while the names of editors and of translators are omitted, save in exceptional cases. No cross-references are given from the names of joint authors, and books of composite authorship have not been analysed.

The system of classification and notation here employed is a modification of that devised by Mr. Melvil Dewey, which is in use in many libraries in all parts of the world. Certain alterations have been introduced, suggested by the publications of the Institut International de Bibliographie of Brussels, and the whole has been adapted to the special requirements of a Scottish Academic Library.

INTRODUCTION

It is impossible to devise a classification that will satisfy every one; but it must be borne in mind that a classification of actual books is a different thing from a classification of theoretical knowledge, and that a general agreement among librarians to adopt some one system is a practical testimony in its favour so strong as to outweigh arguments against it, arising from dissatisfaction with minor details of the scheme.

The merits of Mr. Dewey's system are briefly these :—

1. It permits an unlimited subdivision of every class.
2. It permits an unlimited intercalation of new books among those already on the shelves.
3. It possesses a simple notation, which has acquired an international significance.
4. The notation is in a high degree mnemonic.
5. The notation, as a library grows, can be made more minute, with a minimum of change.

The modified system used here divides books into ten main classes, which are numbered as decimal fractions of the sum total of printed matter regarded as unity (1'). Thus :—

·0 denotes books of a general character, not confined to any one subject.

·1 denotes books on Philosophy.

·2 " " Religion.

·3 " " Sociology.

·4 " " Philology.

·5 " " Pure Science.

·6 " " Applied Science.

·7 " " Fine Arts.

·8 " " Literature.

·9 " " History.

Each class can be subdivided by simply carrying on the decimal to as many places as may be desired. Thus :—

·5 Pure Science in general.

·51 Mathematics.

·516 Co-ordinate Geometry.

·5162 Plane curves.

·51623 Ellipse.

·5164 Curved surfaces.

·517 Infinitesimal analysis.

·52 Astronomy.

INTRODUCTION .

·6	Applied Science in general.
·63	Agriculture.
·631	Soils.
·6316	Fertilisers.
·63167	Chemical.
6317	Machines.
·634	Forestry.
·65	Commerce.

[See Table A : Subdivisions of '5 and '6.]

When the number of books in any class is great, it may be convenient to arrange them in groups according to some characteristics other than their common subject. Thus:—

Divisions by Form.—Books on say Chemistry would be all marked '54, but these may differ much in the form of treatment of the subject—systematic manuals, dictionaries, essays, magazines, etc. If we insert a cipher to show that our new groups are not limited to any of the subdivisions of Chemistry, we may write:—

·5402	Manual of Chemistry.
·5403	Dictionary of Chemistry.
·5404	Essays on Chemistry.
·5405	Magazine of Chemistry.
·5406	Transactions of a Chemical Society.

[See Table B : Form divisions.]

Divisions by Place.—Books on say Geology would be all marked '55, but these may deal with different localities or with different strata. If we use brackets to indicate this further departure from our original method, we may write:—

·55(115)	Geology of coal strata.
·55(2343)	Geology of the Alps.
·55(8)	Geology of S. America.
·55(85)	Geology of Peru.

[See Table C : Place divisions.]

Divisions by Relation.—A book may deal with two or more subjects, or with a subject in its relation to some other topic. After assigning to the book the number denoting its

INTRODUCTION

first or its principal subject, we may link on to this number, by means of a colon, the number denoting the second or the subsidiary subject. Thus:—

·5 : 8 Science and Literature.

·843 : 17 Ethics of French fiction.

These different methods of division may be freely used in combination. Thus:—

·51(42 : 44)04 Essay on Mathematics in Britain and France.

So long as only the ordinary digits are used in the class numbers, the arrangement of books on the shelves presents no difficulty. They follow each other in the ascending order of the decimal fractions employed. Thus:—

·5

·504

·53

·5726

·61

But when brackets and colons are used as well as digits, it is convenient to adopt the convention that these come in the alphabetical order of their names (*bracket, colon, digit*), the cipher taking precedence of all three on the familiar indexing principle, “Nothing precedes something”. Thus:—

·5504

·55(115)

·55(85)

·55 : 59

·55 : 7

·553

A book can stand in only one place on the shelves and can have but one class number. Its title, however, may be repeated in a catalogue in as many classes as it has subjects. When entered in the class of its main or first named subject, the number is printed in ordinary roman type ; when entered also in any other class (where the book does *not* stand) the number is printed in italics. Thus:—

·55 GEOLOGY.

55 : 56(41) Geology and Palæontology of Scotland.

INTRODUCTION

·56 PALÆONTOLOGY.

·55 : 56(41) Geology and Palæontology of Scotland.

In addition to the significant class number, each book receives a book mark which serves to distinguish it from all other books belonging to the same class. This book mark almost always consists of the first three letters of the author's surname, or of a word selected, according to certain rules, from the title. As the author's surname or the selected word appears first in the **clarendon** type at the beginning of each entry of the catalogue, the book mark has not been reprinted at the side. In the case, however, of periodicals and publications of societies, where the same first words (*Journal*, *Annals*, etc.) recur with frequency, it is necessary to choose, more or less arbitrarily, certain letters, usually initials, to represent the titles. These letters are printed immediately after the class number of each book. Thus:—

- 504 **Helmholtz, A. von.** Popular lectures on scientific subjects.
·5(26) **Challenger.** Report on scientific results of voyage.
·5805 A.B. **Annals of botany.**
·5806 L.J. **Linnean Society.** Journal.

The actual book mark of the first of these is **Hel**, of the second **Cha**.

Certain groups of books, though dealing with different subjects, it has been found convenient not to disperse. These are denoted by distinctive letters placed immediately *before* the class numbers. Thus:—

B.M. = British Museum publications.

R.S. = Royal Society's publications.

Ref. = Reference books, bearing *red* labels, and not to be removed from the library.

f. = folio books, placed on special shelves.

p. = pamphlets, placed in boxes.

It is, of course, not expected that readers can remember all the numbers corresponding to the different subjects. A

INTRODUCTION

full alphabetical index of classes and sub-classes is appended, forming a key, not merely to this catalogue, but to the books themselves as they stand on the shelves, where the order of ascending decimals coincides exactly with that followed in the catalogue. Periodicals and transactions are, however, shelved apart from books of a non-serial character.

A second index is added of author's names.

The general editing of this Subject Catalogue has been entrusted to Miss Helen Paterson, Chief Assistant in the University Library.

The different lists have had the benefit of revision by the teachers of the several subjects.

P. J. A.

October, 1921.

TABLE A.

SUBDIVISIONS OF '5 AND '6.

'5 PURE SCIENCE.

'5 **Science, General.**

- '50 Form divisions (as in Table B).
- '5(.) Regional divisions (as in Table C).
- '5: Relational divisions.

'5I **Mathematics.**

'5II Arithmetic.

- '5II96 Tables.

'5I2 Algebra.

- '5I28 Higher Algebra.

- '5I28I Theory of numbers.

- '5I282 Theory of equations.

- '5I283 Determinants.

- '5I286 Groups.

- '5I296 Tables.

'5I3 Geometry.

- '5I3I Plane Geometry.

- '5I322 Geometrical Conics.

- '5I35 Modern Geometry.

- '5I38 Non-Euclidean Geometry.

'5I4 Trigonometry.

- '5I45 Plane Trigonometry.

- '5I46 Spherical Trigonometry.

- '5I496 Tables.

'5I5 Descriptive Geometry.

- '5I56 Perspective.

TABLE A : SUBDIVISIONS OF '5

'516	Co-ordinate Geometry.
'5163	Three dimensions.
'5165	Modern Co-ordinate Geometry.
'5168	Vectors.
'517	Infinitesimal Analysis.
'5172	Differential Calculus.
'5173	Integral Calculus.
'51736	Elliptic functions.
'51738	Differential equations.
'5174	Calculus of Variations.
'5175	Calculus of Functions.
'5176	Calculus of Finite Differences.
'5178	Complex Variables.
'519	Probabilities.
'5196	Errors of observations.
'52	Astronomy.
'521	Theoretical Astronomy.
'5211	Solar system.
'5215	Planets.
'5216	Satellites.
'5217	Comets.
'522	Practical Astronomy.
'5221	Observations.
'5222	Instruments.
'5227	Spherical astronomy.
'523	Descriptive Astronomy.
'5231	Universe.
'5232	Solar system.
'5233	Moon.
'5234	Planets.
'5236	Comets.
'5237	Sun.
'5238	Stellar system.
'525	Earth.
'526	Geodesy.

TABLE A : SUBDIVISIONS OF '5

'527	Navigation.
'528	Ephemerides.
'529	Chronology.
'53	Physics.
'531	Mechanics [<i>see also</i> '621].
'5311	Kinematics.
'5312	Statics.
'5313	Kinetics.
'53136	Rigid bodies.
'532	Hydromechanics.
'5321	Hydrostatics.
'5325	Hydraulics.
'533	Pneumatics.
'5337	Kinetic theory.
'534	Sound.
'5341	Theory of waves.
'5343	Musical sounds.
'5347	Physiological acoustics.
'535	Light.
'5351	Theories.
'5353	Geometrical optics.
'5354	Physical optics.
'5357	Physiological optics.
'5358	Applications.
'53584	Spectrum analysis [<i>see also</i> '5446].
'53585	Photography.
'536.	Heat.
'5361	Theories.
'5365	Temperature.
'5367	Thermodynamics.
'5368	Applications.
'53681	Steam engine [<i>see also</i> '6211].
'537	Electricity.
'5371	Theories.
'5372	Statical.
'5373	Galvanic.

TABLE A : SUBDIVISIONS OF 5

·5377	Electric units.
·5378	Applications.
·5378 ₁	Telegraph.
·5378 ₂	Telephone.
·5378 ₃	Electric light.
·5378 ₅	Electro-metallurgy.
·5378 ₈	Wireless.
·538	Magnetism.
·538 ₁	Theories.
·538 ₃	Electro-magnetism and Electro-dynamics.
·538 ₅	Induction.
·538 ₇	Terrestrial magnetism.
·539	Molecular physics.
·539 ₃	Elasticity.
·54	Chemistry.
·54 ₁	Physical Chemistry.
·54 ₁₁₁	Thermo-Chemistry.
·54 ₁₁₂	Mechanical Chemistry.
·54 ₁₁₃	Electro-Chemistry.
·54 ₁₁₄	Colloid Chemistry.
·54 ₁₂	Atomics.
·54 ₁₂₁	Radioactivity.
·54 ₁₃	Affinity.
·54 ₁₆	Stereo-Chemistry.
·54 ₁₇	Allotropy.
·54 ₁₈	Solubility.
·54 ₁₉	Tables.
·54 ₂	Practical Chemistry.
·54 ₃	Analysis.
·54 ₄	Qualitative.
·54 ₄₆	Spectrum Analysis [<i>see also</i> ·53584].
·54 ₅	Quantitative.
·54 ₅₃	Electrolytic [<i>see also</i> ·53733].
·54 ₅₅	Titrometric.
·54 ₆	Inorganic Chemistry.
·54 ₆₁	Non-metals.
·54 ₆₃	Metals.

TABLE A : SUBDIVISIONS OF '5

'547 **Organic Chemistry.**

[See also '62 : 54 **Agricultural Chemistry** and '66 **Chemical Technology.**]

'548 **Crystallography.**

'549 **Mineralogy.**

'55 **Geology.**

'55(2-9) **Regional geology**

[divided as in Table C].

'551 **Physical geology.**

'5511 General structure of globe.

'5512 Internal action.

'5513 External action.

'55131 Glaciation.

'55135 Deposition and erosion.

'5514 Physical Geögraphy.

'5515 Meteorology.

'5517 Stratigraphical geology.

'55171 Archean, Azoic [etc. as in Table C (11)].

'5518 Structural geology.

'5519 Agents of geological work.

'552 **Lithology, Petrography.**

'5521 Igneous rocks.

'5522 Volcanic.

'5523 Plutonic.

'5524 Metamorphic.

'5525 Aqueous.

'5526 Meteorites.

'5528 Microscopical petrography.

'553 **Economic geology.**

'5531 Ore deposits.

'5532 Carbon minerals.

'5533 Iron ores.

'5534 Ores of other metals.

'5535 Building stones.

'5536 Earths.

'5538 Gems.

TABLE A: SUBDIVISIONS OF 5

56 Palæontology.

56(11) Stratigraphical

[divided as in Table C (11)].

56(2-9) Regional

[divided as in Table C].

561 Fossil plants.

562-569 Fossil animals.

562 Invertebrates

5631 Protozoa

5633 Coelenterata

564 Mollusca

565 Articulata

566 Vertebrates } [as in 59].

567 Fishes

5676 Amphibia

5681 Reptiles

5682 Birds

569 Mammals

57 Biology.

Anthropology.

571 Prehistoric.

572 Ethnologic.

573 Natural history of Man [see also 5999].

Special Biology.

575 Evolution.

5751 Heredity.

5752 Variation.

5753 Environment.

5754 Natural selection.

5757 Degeneration.

576 Origin of life.

5763 Cells.

5768 Bacteriology [see also 61601].

577 Properties of living matter.

5771 Biological chemistry.

5772 Life.

5773 Biological physics.

TABLE A : SUBDIVISIONS OF '5

'5777	Death.
'5778	Sex.
	Biological technic.
'578	Microscopy.
'579	Collecting.
'58	Botany.
'581	Biological Botany.
'5811	Physiology.
'58111	Circulation.
'58112	Respiration.
'58113	Nutrition.
'58114	Development.
'58115	Variation.
'58116	Reproduction.
'58117	Cells.
'58118	Movement.
'58119	Plant chemistry.
'5812	Pathology.
'5813	Embryology.
'5814	Morphology.
'58143	Root.
'58144	Stem.
'58145	Leaf.
'5815	Habits ; Ecology.
'5816	Economics.
'5818	Histology.
'5819 (2-9)	Geographical Botany
	[divided as in Table C].
'582-'589	Systematic Botany.
'582	Phanerogams.
	Angiosperms.
'583	Dicotyledons.
'584	Monocotyledons.
'585	Gymnosperms.
'586	Cryptogams.
'587	Pteridophytes.

TABLE A : SUBDIVISIONS OF '5

·5871	Isoetæ.
·5872	Equisetums.
·5873	Ferns.
·5879	Lycopodiums.
·588	Bryophytes.
·5881	Sphagnum.
·5882	Mosses.
·5883	Hepaticæ.
·5884	Characeæ.
·589	Thallophytes.
·5891	Lichens.
·5892	Fungi.
·5893	Algæ.
·59	Zoology.
·591	Biological Zoology.
·5911	Physiology.
·59111	Circulation.
·59112	Respiration.
·59113	Nutrition.
·59114	Secretion and Excretion.
·59115	Variation.
·59116	Reproduction.
·59117	Locomotion.
·59118	Nervous functions.
·5912	Pathology.
·5913	Embryology.
·5914	Morphology.
·59141	Organs of circulation.
·59142	Organs of respiration.
·59143	Organs of nutrition.
·59144	Organs of secretion.
·59146	Organs of reproduction.
·59147	Organs of movement.
·591471	Osteology.
·59148	Nervous system.
·59149	Regional.
·5915	Habits and behaviour.
·5916	Economics.
·59169	Parasitology.

TABLE A: SUBDIVISIONS OF '5.

'5918	Histology.
'5919 (2-9)	Geographical Zoology [divided as in Table C].
'592-'599	Systematic Zoology.
'592	Invertebrates.
'5931	Protozoa.
'5933	Cœlenterata.
'5934	Sponges, Porifera.
'5935	Cnidaria.
'5936	Corals.
'5937	Hydrozoa.
'5938	Ctenophora.
'5939	Echinodermata.
'594	Mollusca.
'5947	Bryozoa, Polyzoa.
'5948	Brachiopoda.
'5949	Tunicata.
'595	Articulata.
'5951	Worms.
'59518	Rotifera.
'5952	Arthropoda.
'5953	Crustacea.
'5954	Arachnida.
'5957	Insecta.
'59571	Thysanura.
'59572	Orthoptera.
'59573	Pseudoneuroptera.
'59574	Neuroptera.
'59575	Hemiptera.
'59576	Coleoptera.
'59577	Diptera.
'59578	Lepidoptera.
'59579	Hymenoptera.
'596	Vertebrates.
'597	Fishes.
'5976	Amphibia.
'5981	Reptiles.
'5982	Birds.
'599	Mammals.
'5999	Man [<i>see also</i> '573].

TABLE A : SUBDIVISIONS OF ·6

·6 APPLIED SCIENCE.

·619 **Veterinary Science.**

·6191 Horses.

·6192 Cattle.

·6193 Sheep.

·6194 Swine.

·62 **Engineering.**

·621 Mechanical engineering.

·6211 Steam.

·6212 Water.

·6213 Electricity.

·6214 Gas.

·63 **Agriculture.**

·63(·) Regional Agriculture

[divided as in Table C].

·63 : 33 Agricultural Economics.

·63 : 53 Agricultural Physics.

·63 : 54 Agricultural Chemistry.

·63 : 55 Agricultural Geology.

·63 : 5768 Agricultural Bacteriology.

·63 : 58 Agricultural Botany.

·63 : 59 Agricultural Zoology.

·63 : 657 Agricultural Book-keeping.

Systematic Agriculture.

·631 Soils.

·6316 Fertilizers.

·6317 Farm engineering.

·6319 Methods of cultivation.

·632 Pests.

·633 Crops.

·6331 Food.

·6333 Fodder.

·6334 Industrial.

TABLE A : SUBDIVISIONS OF '6

·634	Forestry.
·635	Horticulture.
·636	Domestic Animals.
·6361	Horses.
·6362	Cattle.
·6363	Sheep.
·6365	Poultry.
·637	Dairy.
·638	Useful Insects.
·6381	Bees.
·639	Fish and Game.
·66	Chemical Technology.
·661	Chemicals.
·662	Pyrotechnics, etc.
·663	Ferments, Beverages.
·664	Foods.
·665	Oils, Fats, etc.
·666	Ceramics, Glass, etc.
·667	Dyeing.
·668	Miscellaneous industries.
·669	Metallurgy.
·6699	Assaying.

TABLE B.

FORM DIVISIONS.

01	Theory of the subject.
011	Definition.
012	Classification.
014	Nomenclature.
02	Systematic works.
03	Alphabetic works.
04	Essays.
043	Theses.
05	Periodicals.
058	Directories.
059	Year books.
06	Publications of Societies.
069	Lists of members.
07	Methods of Study.
071	Teaching institutions.
072	Research institutions.
074	Museums, galleries.
078	Apparatus.
08	Collective works.
081	By one person.
082	By several persons.
083	Tables of results.
084	Plates, atlases.
089	Collections by the binder merely.
09	History of the subject.
091	Bibliography.
092	Biography.

TABLE C.

PLACE DIVISIONS.

- (∞) **Whole world.**
- (11) **Geologic place** [*cf.* Table A, '5517].
- (112) Primary, Palæozoic.
- (1121) Cambrian.
- (113) Silurian.
- (114) Devonian.
- (115) Carboniferous, Permian.
- (116) Secondary, Mesozoic.
- (1161) Triassic.
- (1162) Jurassic.
- (117) Cretaceous.
- (118) Tertiary, Neozoic.
- (1181) Eocene.
- (1182) Miocene.
- (1183) Pliocene.
- (119) Quarternary.
- (1191) Recent.
- (12) **Palethnologic place.**
- (2) **Physical place.**
- (21) Continents.
- (211) Glacial zones.
- (212) Temperate zones.
- (213) Torrid zone.
- (22) Islands.
- (23) Mountains.
- (3) **Political place: Ancient.**
- (31) China.
- (32) Egypt.
- (34) India.
- (36) Europe.
- (363) Teutons.
- (3632) Anglo-Saxons.
- (364) Celts.
- (367) Slavs.
- (37) Rome.
- (38) Greece.
- (39) Minor Countries.

TABLE C : PLACE DIVISIONS

(4-9)	Political place : Modern.
(4)	Europe.
(41)	Scotland.
(411)	Northern.
(412)	North-Eastern.
(413)	Central.
(414)	Southern.
(415]	Ireland.
(42)	England. Great Britain. United Kingdom.
(429)	Wales.
(43)	Germany.
(44)	France.
(45)	Italy.
(46)	Spain.
(469)	Portugal.
(47)	Russia.
(48)	Scandinavia.
(492)	Holland.
(493)	Belgium.
(494)	Switzerland.
(495)	Greece.
(496)	Turkey.
(497)	Balkan States.
(5)	Asia.
(51)	China.
(52)	Japan.
(53)	Arabia.
(54)	India.
(55)	Persia.
(56)	Asia Minor.
(58)	Afghanistan, etc.
(6)	Africa.
(62)	Egypt.
(68)	South Africa.
(7)	North America.
(71)	British.
(73)	United States.
(8)	South America.
(9)	Oceania.
(931)	New Zealand.
(94)	Australia.

·5 SCIENCE GENERAL.

- 501 **Enriquez, F.** Problems of science. Chicago 1914.
- 501 **Jevons, W. S.** Principles of science. 2 vols.
Lond. 1874.
- 501 **Ostwald, W.** Die Forderung des Tages. Leip. 1911.
- 501 **Pearson, K.** Grammar of science. Pt. 1→
Lond. 1911→
- 501 **Westaway, F. W.** Scientific method. Lond. 1919.
- 503 **Henderson, I. F., and W. D.** Dictionary of scientific
terms. Edin. 1920.
- 503 **Stormonth, J.** Manual of scientific terms. Edin. 1879.
- 504 **Avebury, Sir J. Lubbock, 1st baron.** The Beauties of
nature and the wonders of the world we live in.
Lond. 1892.
- 504 ——— Scientific lectures. Lond. 1879.
- 504 **Buchanan, J. Y.** Accounts rendered of work done
and things seen. Camb. 1919.
- 504 **Gibson, C. R.** Scientific ideas of to-day. Lond. 1916.
- 504 **Gregory, Sir R.** Discovery ; or, The spirit and service
of science. Lond. 1919.
- 504 **Helmholtz, H. L. F. von.** Popular lectures on scientific
subjects. 2 ser. Lond. 1873-81.
- 504 **Huxley, T. H.** Lectures and lay sermons. Lond. [1910].
- 504 **Jaeger, F. M.** Lectures on the principle of symmetry.
Amst. 1917.
- 504 **Kelvin, Sir W. Thomson, 1st baron.** Popular lectures
and addresses. 3 vols. Lond. 1889-94.

·5 SCIENCE GENERAL

- 504 **Lankester, Sir E. R.** The Kingdom of man.
Lond. 1907.
- 504 **Mozans, H. J.** Woman in science. New York 1913.
- 504 **Phin, J.** Seven follies of science. New York 1911.
- 504 **Rolleston, G.** Scientific papers and addresses. 2 vols.
Oxf. 1884.
- 504 **Seward, A. C.** Science and the nation. Ed. A. C. S.
Camb. 1917.
- 504 **Shaler, N. S.** Nature and man in America.
Lond. 1892.
- 504 **Shipley, A. E.** Pearls and parasites. Lond. 1908.
- 504 **Snyder, C.** New conceptions in science.
New York [1903].
- 504 **Soddy, F.** Science and life. Lond. 1920.
- 504 **Thomson, J. A.** Introduction to science. Lond.
- 504 **Wallace, A. R.** Tropical nature, and other essays.
Lond. 1878.

·505 PERIODICALS.

- 505 A. **American journal of science.** Ser. II., vol. 1→
New Haven 1846→
- 505 N. **Nature.** Vol. 1→ Lond. 1870→
- 505 NA. **La Nature.** 1904-07. Paris [1904-07].
- 505 P.M. **Philosophical magazine** (*now London, Edinburgh,
and Dublin phil. mag.*). Vol. 1→ Lond. 1798→
- 505 R. **Revue scientifique.** Ser. I., vol. 6→ Paris 1868→
- 505 SC. **Science.** New ser., vol. 49→ New York 1919→
- 505 S. **"Scientia"** [*Italian, French, English, German*]. Vol.
1→ Bologna [1907]→

·506 SOCIETIES.

- 506 B.A. **British association.** Reports. 1→ Lond. 1833→
- 506 C.P. **Cambridge philosophical society.** Proc. Vol. 1→
Camb. [1865]→
- 506 C.T. — Trans. Vol. 1→ Camb. 1822→

5 SCIENCE GENERAL

- 506 D.P. **Dublin society, Royal.** Scientific proc. New Ser.,
vol. 1-7, 11→ Dubl. 1878→
- 506 D.T. — Scientific trans. Ser. II., vol. 9→ Dubl. 1909→
- 506 D.B. — A History of the Royal Dublin society. By H. F.
Berry. London. 1915.
- 506 R.I. **Institution of Great Britain, Royal.** Proc. Vol. 1→
London. 1854→
- 506 D.P. **Irish Academy, Royal.** Proc. Vol. 1→
Dubl. 1841→
- 506 D.T. — Trans. Vol. 1→ Dubl. 1787→
- 506 M.M. **Manchester literary and philosophical society.** Me-
moirs (and Proc.). Vol. 1→
London. (Manch.) 1785→
- 506 G.P. **Philosophical society of Glasgow, Royal.** Proc.
Vol. 1-4, 6→ Glasg. 1844→
- 506 L.T. **Royal Society.** Phil. trans. Vol. 1-15, 24, 27-29,
31-36, 38→. [Vol. 178→ in two series, A and B.]
London. 1666→
- 506 L.P. — Proc. Vol. 1→. [Vol. 76→ in two series, A
and B.] London. 1832→
- 506 L.Y. — Year-book. 1896/97→ London. 1897→
- 506 L.T.F. — The Record of the Royal Society of London.
London. 1912
- 506 L.T.h. — The Royal Society. By Sir W. Huggins.
London. [1906].
- 506 L.O.P. — Annals of the Philosophical club of the Royal So-
ciety. Written from its minute books by T. G.
Bonney. London. 1919.
- 506 L.O.R. — Annals of the Royal Society club: the record of
a London dining club in the eighteenth and nine-
teenth centuries. By Sir A. Geikie. London. 1917.
- 506 E.P. **Royal Society of Edinburgh.** Proc. Vol. 3 →
Edin. 1857→
- 506 E.T. — Trans. Vol. 1→ Edin. 1788→

5 SCIENCE GENERAL.

- 506(26) C.B. **Conseil permanent international pour l'ex-
ploration de la mer.** Bulletins. 1902/03→
Copenh. 1903→
- 506(26) C.B.P. ——— Bulletin planktonique. 1902/08→
Copenh. 1910→
- 506(26) C.B.S. ——— Bulletin statistique. Vol. 1→
Copenh. 1906→
- 506(26) C.M. ——— Mémoire sur les travaux, 1902-1912.
Copenh. 1913.
- 506(26) C.P. ——— Publications de circonstance. No. 1→
Copenh. 1903→
- 506(26) C.R. ——— Rapports. Vol. 1→ Copenh. 1903→
- 506(26) M. **Musée océanographique de Monaco.** Bulletin.
No. 1→ Monaco 1904→
- 506(2612) K. **Kommission zur wissenschaftliche Untersuchung
der deutschen Meere.** Wissenschaft-
liche Meeresuntersuchungen. Abt. Kiel. Vol.
1→ Kiel 1896→
- 063 *V.S.M.* **Akademie der Wissenschaften** [zu Wien]. Math.-
naturw. Classe. Sitzungsberichte. Vol. 1→
Wien 1848→
- 063 *M.A.M.* **Bayerische Akademie der Wissenschaften.**
Math.-phys. Classe. Abhandlungen. Vol. 8→
München 1860→
- 063 *M.S.M.* ——— ——— Sitzungsberichte. 1860-70, 1898→
München 1860→
- 063 *G.N.M.* **Gesellschaft der Wissenschaften zu Göttingen.**
Math.-phys. Classe. Nachrichten. 1875→
Gött. 1875→
- 063 *B.A.* **Preussische Akademie der Wissenschaften.** Ab-
handlungen. 1788-1800, 1803→
Berl. 1793→
- 063 *B.S.* ——— Sitzungsberichte. 1882→ Berl. 1882→
- 063 *L.A.M.* **Sächsische Gesellschaft der Wissenschaften.**
Math.-phys. Classe. Abhandlungen. Vol. 1→
Leip. 1852→

5 SCIENCE GENERAL

- 506(44) P.C. **Académie des sciences.** Comptes rendus. Vol. 1→ Paris 1835→
- 506(44) P.M. — Mémoires de l'Académie. Vol. 1→ Paris 1818→
- 506(44) P.M.S. — Mémoires présentés par divers savans: Sciences math. et physiques. Vol. 1→ Paris 1827→
- 506(44) A.F. **Association française pour l'avancement des sciences.** Comptes rendus. 1872→ Paris 1873→
- 065 R.A. **Accademia dei Lincei, R.** Classe di scienze fisiche matematiche e naturali. Atti. Ser. III.→ Roma 1877→
- 065 R.A. — — Memorie. Vol. 1→ Roma 1894→
- 065 T.A. **Accademia delle scienze di Torino, R.** Atti. Vol. 36→ Torino 1901→
- 378(485)06 L. **Lunds Universitets årsskrift.** Vol. 1→ Lund 1865→
- 378(485)06 U. **Upsala Universitets årsskrift.** Vol. 1→ Upsala 1861→
- 506(485) U.S.A. **Societas scientiarum Upsaliensis, R.** Nova Acta. Ser. III., vol. 14→ Upsal. 1890→
- 506(485) S.V.A. **Svenska vetenskaps-akademien, K.** Åarsbok. 1903→ Stockh. 1903→
- 506(489) C.M.M. **Danske videnskabernes selskab, K.** Math.-fysike meddelelser. 1→ Kjøbenhavn 1917→
- 06393 A.W. **Akademie van Wetenschappen, K.** Section of sciences. Proc. Vol. 5→ Amst. 1903→
- 506(492) **Bataafsche maatschappij der wetenschappen.** Archives néerlandaises des sciences exactes et naturelles. [From 1912 in separate series.] Vol. 1→ La Haye, 1866→
- 064 B.B. **Académie royale de Belgique.** Bulletin. Ser. I.-III. Brux. 1836-98.
- 506 — — Classe des sciences. 1899→
- (493) A.B. — — — — — Brux. 1899→

5 SCIENCE GENERAL.

- 064 B.M. **Académie royale de Belgique.** Mémoires. Vols.
1-54. Brux. 1820-1904.
- 506 (493) A.M. ——— Classe des sciences. Vol. 1→
Brux. 1907→
- 064 B.M.C. ——— Mémoires couronnés. Vol. 1→
Brux. 1818→
- 506(493) M. **Musée du Congo.** Annales. Botanique. Ser.
I.→ Brux. 1898→
- 506(493) M. ——— Ethnographie et anthropologie. Ser.
I.→ Brux. 1899→
- 506(493) M. ——— Zoologie. Ser. I.→ Brux. 1899→
- 506(52) K.M. **Kyoto University.** College of science. Memoirs.
Vol. 1→ Kyoto 1908→
- 506(52) T.M. **Tôhuku University.** Science reports. Ser. I.
Maths., physics, chemistry. Vol. 1→
Sendai 1912→
- 506(52) TO.J. **Tokio University.** College of Science. Journal.
Vol. 1→ Tokyo 1887→
- 506(54) **India.** Board of scientific advice for India. Re-
ports. 1907/08→ Calcutta 1909→
- 06(54I) **Asiatic society of Bengal.** Journal. Vol. 12-
17, 35→ Calcutta 1843→
- 506(7 : 8) P.A. **Pan-American scientific congress.** Second
congress. Wash. 1916.
- 06(7I) **Royal Society of Canada.** Proc. and trans.
Vol. 1→ Montreal, Ottawa 1883→
- 506(73) P.A. **American philosophical society.** Trans. Vol.
1→ Philad. 1771→
- 506(73) C.Y. **Carnegie Institution.** Year-book. 1902→
Wash. 1903→
- 506(73) N.M. **National academy of sciences.** Memoirs. Vol.
1→ Wash. 1866→
- 506(73) N.P. ——— Proc. Vol. 1→ Baltimore [1915→
- 506(73) N.H. ——— History of the first half century, 1863-1913.
Wash. 1913.

·5 SCIENCE GENERAL

- 506(73) S.C. **Smithsonian Institution.** Contributions to knowledge. Vol. 1→ Wash. 1848→
- 506(73) S.M. ——— Miscellaneous collections. Vol. 1→ Wash. 1862→
- 506(73) S.R. ——— Reports of regents. 1849→ Wash. 1850→
- 506(73) S.B. ——— U.S. National museum. Bulletins 1-18, 20-23, 26-27, 30-31, 33→ Wash. 1877→
- 506(774) **Michigan academy of science.** Reports. 1→ Lansing 1900→
- f.·506(794) C.U. **California University.** Memoirs. Vol. 2→ Berkeley 1910→
- 506(93) **Australasian association for the advancement of science.** Reports. 1888→ Sydney [1889]→
- 506(944) **Royal Society of New South Wales.** Trans. (Journal and Proc.). Vol. 1, 3, 7, 8, 11→ Sydney 1868→

·507 METHODS OF STUDY.

- 507 **Schmid, B.** Handbuch der naturgeschichtlichen Technik. Hrsg. von B. S. Leip. 1914.
- 5074 **Murray, D.** Museums, their history and their use, with bibliography. 3 vols. Glasg. 1904.
- 5074 **Museums directory.** Directory of museums in Great Britain and Ireland. 1911.

·508 COLLECTIVE WORKS.

- 5081 **Tannery, P.** Mémoires scientifiques. 1→ Toulouse 1912→
- 5082 **Davis, J. R. A.** Science in modern life. Ed. J. R. A. D. 6 vols. Lond. 1908-10.
- 5082 **Melbourne University.** Collected papers from science laboratories. Vol. 1→ [Melbourne 1910→]
- 5082 **Neumayer, G. von.** Anleitung zu wissenschaftlichen Beobachtungen auf Reisen. Hrsg. von G. v. N. 2 vols. Hannover 1906.

·5 SCIENCE GENERAL

- 5082 **Reeves, E. A.** Hints to travellers, scientific and general.
Ed. E. A. R. 2 vols. Lond. 1906.
- 5082 **Strong, T. B.** Method of science. Ed. T. B. S.
Oxf. 1906.

·509 HISTORY.

- 509 **Avebury, Sir J. Lubbock, 1st baron.** Fifty years of
science. Lond. 1890.
- 509 **Candolle, A. de.** Histoire des sciences et des savants
depuis deux siècles. Genève 1885.
- 509 **Singer, C.** History and method of science. Ed. C. S.
Vol. 2. Oxf. 1921.
- 509 **Thomson, J. A.** Progress of science in the century.
Toronto 1908.
- 509 **Whetham, W. C. D., and C. D.** Science and the
human mind. Lond. 1912.
- 509(42) **Schuster, A., and Shipley, A. E.** Britain's heritage
of science. Lond. 1917.
- 509(73) **Dana, E. S., and others.** A Century of science in
America. New Haven 1918.

·509I BIBLIOGRAPHY.

- 016 : 5 *N.N.* **Naturæ novitates.** 1879→ Berl. 1879→
- 016 : 5 *R.S.* **Royal Society.** Catalogue of scientific papers.
Lond. 1867→
- Vols. 1-6. 1800-63. 1867-72.
- Vols. 7, 8. 1864-73. 1877-79.
- Vols. 9-11. 1874-83. 1891-96.
- Vol. 12 (Suppl.). 1800-83. 1902.
- Vol. 13→ 1884-1900. 1914→
- 016 : 5→ **Royal Society.** International catalogue of scientific
literature. [1901→] Lond. 1902→
- : 51 Mathematics (A).
- : 52 Astronomy (E).
- : 53 Physics (C).
- : 53I Mechanics (B).
- : 54 Chemistry (D).
- : 549 Mineralogy (G).
- : 55 Geology (H).

·5 SCIENCE GENERAL

- 016: 5514 Geography (J).
- : 5515 Meteorology (F).
- : 56 Palæontology (K).
- : 57 Biology (L).
- : 571 Anthropology (P).
- : 5768 Bacteriology (R).
- : 58 Botany (M).
- : 59 Zoology (N).

- 016: 5 **Zeitlinger, H., and Sotheran, H. C.** *Bibliotheca chemico-mathematica: catalogue of works on exact and applied science.* 2 vols. Lond. 1921.

·5092 BIOGRAPHY.

- B.M. ·5092 **British Museum.** *Memorials of Linnæus.* Lond. 1907.
- 5092 **Miall, L. C.** *The Early naturalists, 1530-1789.* Lond. 1912.
- 5092 **Tullberg, T.** *Linnéporträtt.* Stockh. 1907
- 5092 **Uppsala University.** *Skrifter med anledning af Linné-festen den 23 och 24 Maj, 1907.* 2 vols. Uppsala 1907.

·5(·) REGIONAL DIVISIONS.

- 5(∞) **Adventure, H.M.S.** *Narrative of voyages of H.M.S. "Adventure" and "Beagle," 1826-1836.* [Vol. 3 is Journal of C. Darwin.] 3 vols. and appendix to vol. 2. Lond. 1839.
- 5(∞) **Banks, Sir J.** *Journal during Captain Cook's first voyage in 1768-71.* Lond. 1896.
- 5(∞) **Brehm, A. E.** *From North Pole to Equator: studies of wild life and scenes in many lands.* Lond. [1895].
- 5(∞) **Darwin, C.** *Journal of researches into the natural history and geology of the countries visited during the voyage of H.M.S. "Beagle".* Lond. 1845.
- f. ·5(26) **Albert I., Prince of Monaco.** *Résultats des campagnes scientifiques accomplies sur son yacht.* Pt. 1→ Monaco 1889→

5 SCIENCE GENERAL

- 5(26) **Bullen, F. T.** Creatures of the sea. Lond. 1904.
- 5(26) **Challenger, H.M.S.** Report on the scientific results of voyage, 1873-76. 50 vols. Lond. 1880-95.
- 5(26) **Chun, C.** Aus den Tiefen des Weltmeeres. Jena 1903.
- 5(26) **Moseley, H. N.** Notes of a naturalist on the "Challenger". Lond. 1879.
- 5(26) **Richard, J.** Campagnes scientifiques du Prince de Monaco. Monaco 1900.
- 5(26) **Spry, W. J. J.** Cruise of H.M.S. "Challenger". Lond. 1877.
- 5(26 : 794) **MacDougal, D. T.** The Salton sea. Wash. 1914.
- 5(261) **Agassiz, A.** Three cruises of the United States coast and geodetic survey steamer "Blake". 2 vols. Lond. 1888.
- 5(261) **Nordisches Plankton.** Vol. 1→ Kiel 1908→
- f. ·5(261) **Norwegian North Atlantic expedition, 1876-78.** Vol. 1→ Christiania 1882→
- 5(261) **Thomson, Sir C. W.** Voyage of the "Challenger". The Atlantic. 2 vols. Lond. 1877.
- 5(265) **Guppy, H. B.** Observations of a naturalist in Pacific Ocean, 1896-99. 2 vols. Lond. 1903-06.
- 5(267) **Alcock, A. W.** A Naturalist in Indian seas. Lond. 1902.
- f. ·5(268) **Campagne arctique.** Campagne arctique de 1907. Pt. 1→ Brux. 1910→
- 5(268) **Fram.** Report of the second Norwegian Arctic expedition in the "Fram," 1898-1902. Vol. 1→ Kristiania 1907→
- 5(269) **Belgica.** Expédition antarctique belge. Résultats du voyage du S. Y. Belgica en 1897-1899. Rapports scientifiques. Vol. 1→ Anvers 1901→
- 5(269) **British Antarctic expedition.** Meteorology. 2 vols. By G. C. Simpson. Calcutta 1919.
- 5(269) **National Antarctic expedition.** Album of photographs. 2 vols. Lond. 1908.
- 5(269) ——— Magnetic observations. Lond. 1909.

5 SCIENCE GENERAL

- *5(269). **National Antarctic expedition.** Meteorology. Vol. 1→
Lond. 1908→
- *5(269) ——— Natural history. Vol. 1→ Lond. 1907→
- *5(269) ——— Physical observations. Lond. 1908.
- *5(269) **Scotia.** Voyage of the "Scotia". Edin. 1906.
- f. *5(269) ——— Report on scientific results. Vol. 2→
Edin. 1907→
- *5(285) **Murray, Sir J., and Pullar, L.** Bathymetrical survey
of Scottish fresh-water lochs. 6 vols. Edin. 1910.
- *5(41) **Gordon, S. P.** The Charm of the hills. Lond. 1912.
- *5(41) ——— The Land of the hills and the glens. Lond. 1920.
- *5(4116) **Dixon, J. H.** Gairloch in North-west Ross-shire.
Edin. 1886.
- *5(4125) **Macgillivray, W.** Natural history of Deeside and
Braemar. Lond. 1855.
- *5(4133) **Wood, W.** The East Neuk of Fife. Edin. 1862.
- *5(42) **Fisher, A. T.** Outdoor life in England. Lond. 1896.
- *5(421) **Cornish, C. J.** The Naturalist on the Thames.
Lond. 1902.
- *5(4274) **Auden, G. A.** Historical and scientific survey of York.
Ed. G. A. A. York 1906.
- *5(44) **French science.** La Science française. 2 vols.
Paris 1915.
- *5(4512) **Strasburger, E.** Rambles on the Riviera. Lond. 1906.
- *5(46) **Gadow, H.** In northern Spain. Lond. 1897.
- *5(493) **Belgium.** Le Mouvement scientifique en Belgique,
1830-1905. 2 vols. Brux. 1907-08.
- *5(51) **China.** Research in China. Vol. 1→ Wash. 1907→
- *5(51) **Wilson, E. H.** A Naturalist in Western China. 2 vols.
Lond. [1913].
- *5(512) **Skertchly, S. B. J.** Our island, a naturalist's descrip-
tion of Hong Kong. Hong Kong 1893.
- *5(541) **Cunningham, D. D.** Plagues and pleasures of life in
Bengal. Lond. 1907.

5 SCIENCE GENERAL

- 5(674) **Elliot, G. F. S.** A Naturalist in Mid-Africa.
Lond. 1896.
- 5(6772) **Forbes, H. O.** Natural history of Sokotra and Abd-el-Kuri.
Liverpool 1903.
- 5(682) **Distant, W. L.** A Naturalist in the Transvaal.
Lond. 1892.
- 5(691) **Sibree, J.** A Naturalist in Madagascar. Lond. 1915.
- 5(71) **Traill, C. P.** Pearls and pebbles; or, Notes of an old naturalist.
Lond. 1895.
- 5(7296) **Shattuck, G. B.** Bahama Islands. New York 1905.
- 5(798) **Alaska.** Alaska: results of the Harriman Alaska expedition. Vol. 1→ Lond., New York 1902→
- 5(8) **Ball, J.** Notes of a naturalist in South America.
Lond. 1887.
- 5(911) **Beccari, O.** Wanderings in the great forests of Borneo.
Lond. 1904.
- 5(911) **Shelford, R. W. C.** A Naturalist in Borneo. Ed. E. B. Poulton.
Lond. [1916].
- 5(911) **Whitehead, J.** Exploration of Mount Kina Balu, North Borneo.
Lond. 1893.
- 5(93) **Meek, A. S.** A Naturalist in cannibal land.
Lond. [1913].
- 5(931) **Drummond, J.** Nature in New Zealand. Ed. F. W. Hutton.
Christchurch [1902]
- 5(935) **Guppy, H. B.** The Solomon Islands. Lond. 1887.
- 5(935) **Woodford, C. M.** A Naturalist among the head-hunters.
Melbourne 1890.
- 5(94) **Hill, J. G.** Calvert scientific exploring expedition (Australia, 1896).
Lond. 1905.
- 5(94). **Horn scientific expedition.** Report on the work. 4 vols.
Lond. 1896.
- 5(94) **Semon, R.** In the Australian bush. Lond. 1899.
- 5(946) **Meredith, L. A.** Tasmanian friends and foes—feathered, furred, and finned.
Lond. 1881.
- 5(946) **Smith, G.** A Naturalist in Tasmania. Oxf. 1909.

·5 SCIENCE GENERAL

- 5(95) **Pratt, A. E.** Two years among New Guinea cannibals.
Lond. 1906.
- 5(95) **Thomson, J. P.** British New Guinea. Lond. 1892.
- B.M. ·5(97) **Andrews, C. W.** Monograph of Christmas Island—
physical features and geology, with description of the
fauna and flora. Lond. 1900.
- 5(98) **Greenland.** Meddelelser om Grønland. Vol. 1→
Kjøbenhavn 1879→
- 5(98) **Nordenskiöld, A. E.** Vega-expeditionens vetenskapliga
iakttagelser. Vol. 1→ Stockh. 1882→
- 5(99) **Chilton, C.** Subantarctic islands of New Zealand.
2 vols. Wellington 1909.
- 5(99) **Murray, G.** Antarctic manual for the use of the expedi-
tion of 1901. Ed. G. M. Lond. 1901.

·5: RELATIONAL DIVISIONS.

- B.M. ·5: 22 **British Museum.** Guide to exhibition of animals, etc.,
in the Bible. Lond. 1911.
- 5: 407 **Allbutt, Sir T. C.** Notes on the composition of scientific
papers. Lond. 1904.
- 5: 65553 **Hill, T. G.** The Essentials of illustration. Lond. 1915.

·51 MATHEMATICS.

- 5101 **Berkeley, H.** *Mysticism in modern mathematics.*
Lond. 1910.
- 15:51 **Boole, M. E. Mrs.** *Mathematical psychology of*
Gratry and Boole. Lond. 1897.
- 5101 **Couturat, L.** *Les Principes des mathématiques.*
Paris 1905.
- 5101 **Jaeger, F. M.** *Lectures on the principle of symmetry.*
Lond. [1917].
- 5101 **Poincaré, H.** *Science and hypothesis.* Lond. 1905.
- 5101 — *Science et méthode.* Paris 1908.
- 5101 — *La Valeur de la science.* Paris [1905].
- 5101 **Richardson, R. P. and Landis, E. H.** *Fundamental*
conceptions of modern mathematics. Chicago 1916.
- 5101 — *Numbers, variables, and Mr. Russell's philosophy.*
Chicago 1916.
- 5101 **Russell, B. A. W.** *Introduction to mathematical philo-*
sophy. Lond. 1919.
- 5101 — *Principles of mathematics.* Vol. 1→
Camb. 1903→
- 5101 **Whitehead, A. N. and Russell, B.** *Principia mathe-*
matica. Vol. 1→ Camb. 1910→
- 5101 **Young, J. W.** *Fundamental concepts of algebra and*
geometry. New York 1911.
- 51014 **André, D.** *Des notations mathématiques.* Paris 1909.
- 5102 **Bouasse, H.** *Cours de mathématiques générales.*
Paris [1911].
- 5102 **Encyclopädie der mathematischen Wissenschaften.**
Vol. 1→ Leip. 1898→

·51 MATHEMATICS

- 5102 **Fabry, E.** *Traité de mathématiques générales.* Paris 1911.
- 5102 **Mehler, F. G.** *Elementar-Mathematik.* Berl. 1903.
- 5102 **Saxelby, F. M.** *Course in practical mathematics.* Lond. 1919.
- 5102 **Usherwood, T. S. and Trimble, C. J. A.** *Practical mathematics.* 2 pts. Lond. 1916-20.
- 5104 **Klein, F.** *Lectures on mathematics.* New York 1894.
- 5104 **Lagrange, J. L.** *Lectures on elementary mathematics.* Chicago 1898.
- 5104 **Newman, F. W.** *Mathematical tracts.* 2 vols. Camb. 1888-89.
- 5104 **Perry, J.** *Practical mathematics.* Lond. 1907.
- 5104 **Schubert, H.** *Mathematical essays and recreations.* Chicago 1898.

·5105 PERIODICALS.

- 5105 A. **Acta mathematica.** Vol. 1→ Stockh. 1882→
- 5105 AM. **American journal of mathematics.** Vol. 1→
Baltimore 1878→
- 5105 GE. **Annales de mathématiques:** Gergonne. 22 vols.
Nismes 1810-31.
- 5105 A.S. **Annales scientifiques de l'École normale supérieure.**
Vol. 1→ Paris 1864→
- 5105 AN. **Annali di matematica pura ed applicata, (begun as
Annali di scienze matematiche e fisiche).** Vol.
1→ Roma 1850→
- 5105 B.S. **Bulletin des sciences mathématiques.** Ser. I.,
vols. 21-22. Paris 1897-99.
- 5105 C. **Crelle's Journal für die reine Mathematik.**
Vol. 1→ Berl. 1826→
- 5105 I.M. **Intermédiaire des mathématiciens.** Vol. 1→
Paris 1894→
- 5105 J. **Jahrbuch über die Fortschritte der Mathematik.**
Vol. 1→ Berl. 1871→

·51 MATHEMATICS

- 5105 J.E. **Journal de l'École polytechnique.** Vol. 1→
Paris [1795]→
- 5105 JO. **Journal de mathématiques:** Liouville. Vol. 1→
Paris 1836→
- 5105 M.G. **Mathematical gazette.** Vol. 1→ Lond. 1900→
- 5105 M.N. **Mathematical notes.** No. 1→ Edin. 1909→
- 5105 M.Q. **Mathematical questions** from the Educational Times.
Vol. 1→ Lond. 1864→
- 5105 M. **Mathematician.** 6 vols. Lond. 1845-56.
- 5105 M.A. **Mathematische Annalen.** Vol. 1→ Leip. 1869→
- 5105 M.M. **Messenger of mathematics** (*begun as Oxford, Cam-*
bridge, and Dublin M. of M.). Vol. 1→
Camb., etc. 1862→
- 5105 Q. **Quarterly journal of mathematics** (*begun as Cam-*
bridge mathematical journal). Vol. 1→
Camb., etc., 1841→
- 5105 R. **Revue de mathématiques spéciales.** Paris [1892-96].
- 5105 T.M. **Tôhoku mathematical journal.** Vol. 6→
Sendai 1915→

·5106 SOCIETIES.

- 5106 A.M. **American mathematical society.** Trans. Vol. 1→
Lancaster, Pa. 1900→
- 378 **California University publications.** Mathematics.
(794)06 Vol. 1→ Berkeley 1912→
- 5106 P. **Circolo matematico di Palermo.** Rendiconti. Vol.
1→ Palermo 1887→
- 5106 E. **Edinburgh mathematical society.** Proc. Vol. 1→
Edin. 1884→
- 5106 L. **London mathematical society.** Proc. Vol. 1→
Lond. [1866]→
- 5106 S. **Svenska vetenskaps-akademien, K.** Arkiv för mate-
matik, etc. Vol. 1→ Stockh. 1904→

·5107 METHODS OF STUDY.

- 5107 **De Morgan, A.** Study and difficulties of mathematics.
Chicago 1898.

·51 MATHEMATICS

- 5107 **McMurry, C. A.** Special method in arithmetic.
New York 1915.
- 5107 **Smith, D. E.** Teaching of elementary mathematics.
New York 1900.
- 5107 **Treutlein, P.** Der Geometrische Anschauungsunterricht.
Leip. 1911.
- 5107 **Young, J. W. A.** Teaching of mathematics.
New York 1914.
- 51079 **Ball, W. W. R.** Mathematical recreations.
Lond. 1905.
- 51079 **De Morgan, A.** Budget of paradoxes. 2 vols.
Chicago 1915.
- 51079 **Dodgson, C. L.** Pillow problems. Lond. 1895.
- 51079 **Fourrey, E.** Curiosités géométriques. Paris [1909].
- 51079 **Klein, F.** Famous problems. Boston [Mass.] 1897.
- 51079 **Lucas, E.** Récréations mathématiques. 4 vols.
Paris 1891-96.
- 51079 **Wilson, J. C.** Traversing of geometrical figures.
Oxf. 1905.

·5108 COLLECTED WORKS.

- 5108 **Abel, N. H.** Œuvres complètes. 2 vols.
Christiania 1881.
- 5108 **Archimedes.** Works. Edited by T. L. Heath.
Camb. 1897.
- 5108 **Barrow, J.** Mathematical works. Camb. 1860.
- 5108 **Beltrami, E.** Opere. Vol. 1→ Milano 1902→
- 5108 **Betti, E.** Opere. Vol. 1→ Milano 1903→
- 5108 **Brioschi, F.** Opere. 5 vols. Milano 1901-09.
- 5108 **Cauchy, A.** Œuvres complètes. Vol. 1→
Paris 1882→
- 5108 **Cayley, A.** Collected mathematical papers. 14 vols.
Camb. 1889-98.
- 5108 **Christoffel, E. B.** Gesammelte mathematische Abhandlungen. 2 vols.
Leip. 1910.

·51 MATHEMATICS

- 5108 **Clifford, W. K.** Mathematical papers. Lond. 1882.
- 5108 **Cremona, L.** Opere matematiche. 3 vols.
Milano 1914-17.
- 5108 **Ellis, R. L.** Mathematical writings. Camb. 1863.
- 5108 **Euler, L.** Opera omnia. Vol. 1→ Lips. 1911→
- 5108 **Fermat, P. de.** Œuvres. Vol. 1→ Paris 1891→
- 5108 **Fourier, J. B. J.** Œuvres. 2 vols. Paris 1888-90.
- 5108 **Galois, É.** Œuvres mathématiques. Paris 1897.
- 5108 **Gauss, C. F.** Werke. Vol. 1→ Gött. 1863→
- 5108 **Grassmann, H.** Gesammelte Werke. 3 vols.
Leip. 1894-1911.
- 5108 **Gregory, D. F.** Mathematical writings. Camb. 1865.
- 5108 **Hesse, L. O.** Gesammelte Werke. München 1897.
- 5108 **Huyghens, C.** Œuvres complètes. Vol. 1→
La Haye 1888→
- 5108 **Jacobi, C. G. J.** Gesammelte Werke. 7 vols.
Berl: 1881-91.
- 5108 **Kronecker, L.** Werke. Vol. 1→ Leip. 1895→
- 5108 **Lagrange, J. L.** Œuvres. 14 vols. Paris 1867-92.
- 5108 **Laguerre, E. N.** Œuvres. 2 vols. Paris 1898-1905.
- 5108 **Laplace, P. S. de, Marquis.** Œuvres complètes. 14
vols. Paris 1878-1912.
- 5108 **Leibnitz, G. W.** Mathematische Schriften. 7 vols.
Lond., etc. 1850-63.
- 5108 **Lejeune Dirichlet, P. G.** Werke. 2 vols. ·
Berl. 1889-97.
- 5108 **Möbius, A. F.** Gesammelte Werke. 4 vols.
Leip. 1885-87
- 5108 **Plücker, J.** Wissenschaftliche Abhandlungen. 2 vols.
Leip. 1895-96.
- 5108 **Riemann, B.** Œuvres mathématiques. Paris 1898.
- 5108 **Schwarz, H. A.** Mathematische Abhandlungen. 2 vols.
Berl. 1890.
- 5108 **Smith, H. J. S.** Collected mathematical papers. 2
vols. Oxf. 1894.

·51 MATHEMATICS

- 5108 **Steiner, S.** *Gesammelte Werke.* 2 vols.
Berl. 1881-82.
- 5108 **Sylvester, J. J.** *Mathematical papers.* Vol. 1→
Camb. 1904→
- 5108 **Toschi di Fagnano, G. C.** *Opere matematiche.* 3 vols.
Milano 1911-12.
- 5108 **Weierstrass, K.** *Mathematische Werke.* Vol. 1→
Berl. 1894→
- 51082 **EDINBURGH MATHEMATICAL TRACTS.** No. 1→
Lond. 1915→
- 51082 **OSTWALD'S KLASSIKER.** No. 1→ Leip. 1889→
- 51082 **Young, J. W. A.** *Monographs on topics of modern mathematics.* Ed. J. W. A. Y. New York 1915.

·5109 HISTORY.

- 5109 **Ball, W. W. R.** *History of mathematics.* Lond. 1915.
- 5109 — *History of mathematics at Cambridge.*
Camb. 1889.
- 5109 **Cajori, F.** *History of elementary mathematics.*
New York 1914.
- 5109 — *History of mathematics.* New York 1895.
- 5109 **Cantor, M.** *Vorlesungen über Geschichte des Mathematik.* Vol. 1→ Leip. 1894→
- 5109 **Fink, K.** *History of mathematics.* Chicago 1900.
- 5109 **Gow, J.** *History of Greek mathematics.* Camb. 1884.
- 5109 **Libri, G.** *Histoire des mathématiques en Italie.* 4 vols.
Halle 1865.
- 5109 **Marie, M.** *Histoire des sciences mathématiques.* 12 vols.
Paris 1883-88.
- 5109 **Mikami, Y.** *Development of mathematics in China and Japan.* Leip. 1913.
- 5109 **Miller, G. A.** *Historical introduction to mathematical literature.* New York 1916.
- 5109 **Montucla, J. E.** *Histoire des mathématiques.* 4 vols.
Paris 1799-1802.
- 5109 **Picard, É.** *Les Sciences mathématiques en France depuis un demi-siècle.* Paris 1917.

·51 MATHEMATICS

- 5109 **Smith, D. E., and Mikami, Y.** History of Japanese mathematics. Chicago, 1914.

·51091 BIBLIOGRAPHY.

- 016 : 51 **Mathematical association.** Catalogue of current mathematical journals, with the names of the libraries in which they may be found. Lond. 1913.
- 016 : 51 **Royal Society.** International catalogue of scientific literature. Mathematics. [1901→] Lond. 1902→

·51092 BIOGRAPHY.

- 92 : 51 **De Morgan, E.** Memoir of Augustus De Morgan. Lond. 1882.
- 92 : 51 **Graves, R. P.** Life of Sir William Rowan Hamilton. 3 vols. Dubl. 1882-89.
- 92 : 51 **Napier, M.** Memoirs of John Napier of Merchiston. Edin. 1834.
- Λ **Tweedie, C.** Life and writings of Colin Maclaurin. [Lond.] 1915.

Maclaurin was professor of mathematics at Marischal College, 1717-26. See also under ·5121, ·51326, ·5171, ·521.

- 92 : 5108 **Macfarlane, A.** Ten British mathematicians of the 19th century. New York 1916.

·511 ARITHMETIC.

- 375 : 511 **Boole, M. E., Mrs.** Lectures on logic of arithmetic. Oxf. 1903.
- 51101 **Brooks, E.** Philosophy of arithmetic. Philad. 1904.
- 51104 **Gauss, C. F.** Recherches arithmétiques. Paris 1807.
- 41721 **Smith, D. E., and Karpinski, L. C.** The Hindu-Arabic numerals. Boston, Mass. 1911.
- 51109 **Cunnington, S.** Story of arithmetic. Lond. 1901.
- Λ **Geddes, Sir W. D.** The Curiosities of ancient arithmetic. Abd. 1853.
- 41721 **Hill, G. F.** Development of Arabic numerals in Europe. Oxf. 1915.

·51 MATHEMATICS

- 016 : 511 **De Morgan, A.** Arithmetical books. Lond. 1847.
- 016 : 511 **Smith, D. E.** Rara arithmetica. Boston, Mass. 1908.
-
- 5111 **Beman, W. W.** Higher arithmetic.
Boston [Mass.] 1900.
- 5111 **Bertrand, J.** Traité d'arithmétique. Paris 1901.
- 5111 **Cocker, E.** Arithmetick. 27th edition. Lond. 1709.
- 5111 **De Morgan, A.** Elements of arithmetic. Lond. 1880.
- 5111 **Gelin, E.** Traité d'arithmétique. Namur 1888.
- 5111 **Goyen, P.** Higher arithmetic. Lond. 1897.
- 5111 **Kleyer, J. F. J.** Traité d'arithmétique. 3 vols.
Liège 1885-86.
- 5111 **Lacroix, S. F.** Traité d'arithmétique. Paris 1826.
- 5111 **Leysenne, P.** Traité d'arithmétique. Paris 1903.
- 5111 **Malcolm, A.** [*M.A., Mar. Coll.*]. A New system of
arithmetick, theoretical [*sic*] and practical.
Lond. 1730.
- 5111 — A New treatise of arithmetick and book-keeping.
Edin. 1718.
- 5111 **Schubert, H.** Arithmetik und Algebra. Leip. 1898.
- 5111 **Serret, J. A.** Traité d'arithmétique. Paris 1875.
- 5111 **Smith, J. Brook-.** Arithmetic in theory and practice.
Lond. 1910.
- 5111 **Tannery, J.** Leçons d'arithmétique. Paris 1900.
- 5111 **Wentworth, G. A.** Advanced arithmetic.
Boston [Mass] 1903.
- HN.* **Wright, A.** [*M.A., King's Coll., 1728*]. A Treatise of
19 . 43 practical arithmetic, both integral and fractional.
Edin. 1767.
- MN.* — A Treatise of fractions. Lond. 1734.
13 . 190

·5118 MENSURATION.

- 5118 **Halsted, G. B.** Mensuration. Boston [Mass] 1900.
- 5118 **Jackson, S.** Commercial arithmetic. Lond. 1893.

·51 MATHEMATICS

- 5118 **Moore, B. T.** Mensuration. Lond. 1896.
 ·5118 **Nesbit, A.** Practical mensuration. Lond, 1898.

·51196 TABLES.

- f.* ·51196 **Crelle, A. L.** Calculating tables. Berl. 1908.
 ·51196 **Hedrick, H. B.** Interpolation tables. Wash. 1918.
 ·51196 **Laundy, S. L.** Table of quarter squares up to 100,000.
 Lond. 1856.
f. ·51196 **Lehmer, D. N.** Factor table for the first ten millions.
 Wash. 1909.
f. ·51196 — Prime numbers from 1 to 10,006,721.
 Wash. 1914.
f. ·51196 **Peters, J.** New calculating tables. Berl. 1909.
 ·51196 **Stager, H. W.** A Sylow factor table of the first twelve
 thousand numbers. Wash. 1916.
 ·51196 **Zimmermann, H.** Calculating tables. Berl. 1904.

·512 ALGEBRA.

- 5121 **Bourlet, C. E. E.** Leçons d'algèbre élémentaire.
 Paris 1902.
 ·5121 **Chrystal, G.** Algebra, an elementary text-book. 2
 vols. Edin. 1889.
 ·5121 — Introduction to algebra. Lond. 1905.
 ·5121 **Davison, C.** Higher algebra. Camb. 1912.
 ·5121 **Hall, H. S. and Knight, S. R.** Higher algebra.
 Lond. 1897.
 ·5121 **Maclaurin, C.** Treatise of algebra.
 Lond. 1748, 1756, 1779, 1788, 1796.
 ·5121 **Smith, C.** Treatise on algebra. Lond. 1893.
 ·5121 **Todhunter, I.** Algebra. Lond. 1866.
 ·5121 **Weber, H.** Lehrbuch der Algebra. 2 vols.
 Braunsch. 1896-1908.
 A **Welsh, J.** [*M.A., King's Coll., 1807*]. An Elementary
 treatise on algebra. Brechin 1817.
 ·5122 **Abel, N. H. and Galois, E.** Algebraische Auflösung
 der Gleichungen. Berl. 1889.

·51 MATHEMATICS

- 5122 **Lagrange, J. L.** Résolution des équations numériques.
Paris 1826.
- 5122 **Mathews, G. B.** Algebraic equations. Camb. 1907.
- 5124 **Hadamard, J.** La Série de Taylor. [Paris] 1901.
- 5125 **Macmahon, P. A.** Combinatory analysis. 2 vols.
Camb. 1915-16.
- 5127 **Hobson, E. W.** John Napier and the invention of
logarithms, 1614. Camb. 1914.
- 5127 **Knott, C. G.** Napier tercentenary memorial volume.
Lond. 1915.
- 5127 **Napier, J.** Construction of the wonderful canon of
logarithms. Edin. 1889.
- 5128 **Salmon, G.** Modern higher algebra. Dubl. 1866.
- 5128 **Serret, J. A.** Cours d'algèbre supérieure. 2 vols.
Paris 1910.
- 5128 **Weber, H.** Traité d'algèbre supérieure. Paris 1898.

·51281 THEORY OF NUMBERS.

- 51281 **Cahen, E.** Théorie des nombres. Vol. 1→
Paris 1914→
- 51281 **Cashmore, M.** Fermat's last theorem. Lond. 1918.
- 51281 **Dedekind, R.** Essays on theory of numbers.
Chicago 1901.
- 51281 **Dickson, L. E.** History of the theory of numbers.
Vol. 1→ Wash. 1919→
- 51281 **Hardy, G. H.** Some famous problems of the theory of
numbers and in particular Waring's problem.
Oxf. 1920.
- 51281 **Hensel, K.** Zahlentheorie. Berl. 1913.
- 51281 **Laurent, H.** Principes de la théorie des nombres.
[Paris] 1902.
- 51281 **La Vallée Poussin, C. J. de.** Recherches analytiques
sur la théorie des nombres premiers. 5 pts.
Paris 1897-98.
- 51281 **Legendre, A. M.** Théorie des nombres. Paris 1900.

·51 MATHEMATICS

- 51281 **Lejeune Dirichlet, P. G.** Vorlesungen über Zahlen-
theorie. Braunsch. 1879.
- 51281 **Lucas, E.** Théorie des nombres. Vol. 1. Paris 1891.
- 51281 **Mathews, G. B.** Theory of numbers. Pt. 1→
Camb. 1892→
- 51281 **Reid, L. W.** Elements of the theory of algebraic
numbers. New York 1910.
- 51281 **Sommer, J.** Introduction à la théorie des nombres
algébriques. Paris 1911.

·51282 THEORY OF EQUATIONS.

- 51282 **Burnside, W. S., and Panton, A.** Theory of equa-
tions. 2 vols. Dubl. 1899-1901.
- 51282 **Petersen, J.** Théorie des équations algébriques.
Paris 1897.
- 51282 **Todhunter, J.** Theory of equations. Camb. 1861.

·51283 DETERMINANTS.

- 51283 **Cullis, C. E.** Matrices and determinoids. 2 vols.
Camb. 1913-18.
- 51283 **Muir, Sir T.** Theory of determinants. Vol. 1→
Lond. 1906→
- 51283 **Scott, R. F.** Theory of determinants. Camb. 1904.

·51286 GROUPS.

- 51286 **Burnside, W.** Theory of groups of finite order.
Camb. 1911.
- 51286 **Campbell, J. E.** On Lie's theory of groups.
Oxf. 1903.
- 51286 **Dickson, L. E.** Linear groups. Leip. 1901.
- 51286 **Hilton, H.** Homogeneous linear substitutions.
Oxf. 1914.
- 51286 **Klein, F.** Lectures on the ikosahedron. Lond. [1913].
- 51286 **Lie, M. S.** Theorie der Transformationsgruppen. 3
vols. Leip. 1888-93.
- 51286 — Vorlesungen über continuerliche Gruppen.
Leip. 1893.

·51 MATHEMATICS

- 51286 **Mitchell, V. G.** Geometry and collineation groups of the finite projective plane *PG*. Princeton 1910.
- 51286 **Netto, E.** Theory of substitutions. Michigan 1892.
- 51286 **Whitehead, A. N.** Universal algebra. Vol. 1→
Camb. 1898→
- 51287 **Elliott, E. B.** Theory of quantities. Oxf. 1913.
- 51288 **Bromwich, T. J. I.** Quadratic forms and their classification. Camb. 1906.
- 51288 **Grace, J. H.** Algebra of invariants. Camb. 1903.

·51296 TABLES, &c.

- 51296 **Becker, G. F. and Orstrand, C. E. V.** Hyperbolic functions. Wash. 1909.
- 51296 **Bruhns, C. C.** New manual of logarithms to seven places. Leip. 1870.
- 51296 **Chappell, E.** Five figure mathematical tables.
Lond. 1915.
- I*³.5.5 **Decker, F. F.** Symmetric function tables of the fifteenthic. Wash. 1910.
- 51296 **Knott, C. G.** Four figure mathematical tables.
Lond.
- 51296 **Turner, H. H.** Tables for facilitating the use of harmonic analysis. Lond. 1913.

·513 GEOMETRY.

- 51301 **Dixon, E. T.** Foundations of geometry. Camb. 1891.
- 51301 **Mach, E.** Space and geometry in the light of physiological, psychological and physical inquiry.
Chicago 1906.
- 51301 **Russell, B. A. W.** Foundations of geometry.
Camb. 1897.
- 51307 **Dodgson, C. L.** Euclid and his modern rivals.
Lond. 1879.
- 51309 **Frankland, F.** Story of Euclid. Lond. 1902.

·51 MATHEMATICS

·5131 PLANE GEOMETRY.

- 880821 **Euclid.** Opera [*Greek-Latin*]. Ed. Heiberg et Menge.
6 vols. Lips. 1883-96.
- 5131 ——— Elementa. [*Editio princeps.*] Venetiis 1482.
- 5131 ——— Elements. Ed. Heath. 3 vols. Camb. 1908.
- 5131 ——— ——— Ed. Smith and Bryant. Lond. 1901.
- 5311 ——— ——— Ed. Todhunter. Lond. 1899.
- 5131 ——— Euclid in Greek. Book 1. With introduction and
notes by Sir T. L. Heath. Camb. 1920.
- 5131 ——— The Contents of the fifth and sixth books of
Euclid. Arranged and explained by M. J. M. Hill.
Camb. 1908.
- 5131 **Henrici, O.** Elementary geometry. Congruent figures.
Lond. 1891.
- 5131 **Mackay, J. S.** Plane geometry. Lond. 1904.
- 51313 **Crivetz, T.** Essai sur l'équidistante. Bucarest 1900.
- 51313 ——— Essai sur le postulat d'Euclide. Bucarest 1895.
- 51313 **Dodgson, C. L.** Theory of parallels. Lond. 1888.
- 51313 **Frankland, W. B.** Theories of parallelism.
Camb. 1910.
- 51313 **Gronau, K. T. E.** Das Parallelenproblem.
Hagen 1902.
- 51313 **Thompson, T. P.** Geometry without axioms.
Lond. 1833.
- 51313 **Withers, J. W.** Euclid's parallel postulate.
Chicago 1908.
- 51314 **Bruce, W. H.** Properties of the triangle and its circles.
Boston, Mass. 1903.
- Λ^2 **Gregory, J.** [*M.A., Mar. Coll., 1657*]. Exercitationes
geometricæ. Lond. 1668.
- 51321 **Hobson, E. W.** "Squaring the circle"—a history of
the problem. Camb. 1913.
- Λ **Pirie, G.** Geometrical methods of approximating to the
value of π . Lond. 1877.

·5I MATHEMATICS

·51322 GEOMETRICAL CONICS.

- 51322 **Besant, W. H.** Conic sections treated geometrically.
Camb. 1869.
- 51322 **Drew, W. H.** Geometrical conic sections. Lond. 1898.
- 51322 **Jackson, J. S.** Geometrical conic sections.
Lond. 1872.
- 51322 **Mukhopadhyay, A.** Elementary treatise on geometry
of conics. Lond. 1893.
- 51322 **Taylor, C.** Introduction to geometry of conics.
Camb. 1881.
- 51326 **Maclaurin, C.** Geometria organica; sive, Descriptio
linearum curvarum universalis. Lond. 1722.
“Ex dono authoris.”

·5135 MODERN GEOMETRY.

- 5135 **Askwith, E. H.** Course of pure geometry. Camb. 1903.
- 5135 **Budden, E.** Pure geometry. Lond. 1904.
- 5135 **Casey, J.** Sequel to Euclid. Dubl. 1892.
- 5135 **Chasles, M.** Traité de géométrie supérieure.
Paris 1852.
- 5135 **Cremona, L.** Projective geometry. Oxf. 1913.
- 5135 **Hatton, J. L. S.** Principles of projective geometry.
Camb. 1913.
- 5135 ——— Theory of imaginary in geometry. Camb. 1920.
- 5135 **Lachlan, R.** Modern pure geometry. Lond. 1893.
- 5135 **Reye, T.** Lectures on geometry of position. Pt. 1→
New York 1898→
- 5135 **Richardson, G., and Ramsay, A.** Modern plane
geometry. Lond. 1894.
- 5135 **Russell, J. W.** Elementary treatise on pure geometry.
Oxf. 1893.
- 5135 **Smith, W. B.** Introductory modern geometry.
New York 1893.
- 513501 **Whitehead, A. N.** Axioms of projective geometry.
Camb. 1906.

·51 MATHEMATICS

- 513509 **Borel, E.** Introduction géométrique à quelques théories physiques. Paris 1914.
- 51351 **Young, W. H., and G. C.** Theory of sets of points. Camb. 1906.

·5138 NON-EUCLIDEAN GEOMETRY.

- 5138 **Barbarin, P.** La Géométrie non-euclidienne. Paris 1902.
- 5138 **Bolyai, J.** Science absolute of space. Austin, Tex. 1896.
- 5138 **Bonola, R.** Non-euclidean geometry. Chicago 1912.
- 5138 **Carslaw, H. S.** Elements of non-euclidean plane geometry and trigonometry. Lond. 1916.
- 5138 **Coolidge, J. L.** Elements of non-euclidean geometry. Oxf. 1909.
- 5138 **Cranz, C.** Die Sogenannte vierte Dimension. Hamb. 1890.
- 5138 **Engel, F. and Stäckel, P.** Urkunden zur Geschichte der nichteuclidischen Geometrie. 2 vols. Leip. 1898-1913.
- 5138 **Hinton, C. H.** The Fourth dimension. Lond. 1904.
- 5138 ——— Scientific romances. Nos. 1-7. Lond. 1886-94.
- 5138 **Jouffret, E.** Traité de géométrie à quatre dimensions. Paris 1903.
- 5138 **Lobatschewsky, N. I.** Geometrical researches on parallels. Austin, Tex. 1892.
- 5138 ——— Introduction to elements of geometry. [Austin] 1897.
- 5138 ——— New principles of geometry. Austin 1897.
- 5138 **Manning, H. P.** The Fourth dimension simply explained. New York 1910.
- 5138 ——— Non-euclidean geometry. Boston, Mass. 1901.
- 5138 **Müller, A.** Das Problem des absoluten Raumes. Braunsch. 1911.
- 5138 **Smith, W. W.** A Theory of the mechanism of survival : the fourth dimension and its applications. Lond. 1920.

·51 MATHEMATICS

- 5138 **Sommerville, D. M. Y.** Elements of non-euclidean geometry. Lond. 1914.
- 5138 **Vasiliev, A. V.** Lobachévsky. Austin, Tex. 1894.
- 5138 **Veronese, G.** Geometrie von mehreren Dimensionen. Leip. 1894.
- 5138:016 **Sommerville, D. M. Y.** Bibliography of non-euclidean geometry. Lond. 1911.
- 5139 **Lamé, G.** Méthodes pour résoudre les problèmes de géométrie. Paris 1903.

·514 TRIGONOMETRY.

- 514 **Lock, J. B. and Child, J. M.** New trigonometry for schools and colleges. Lond. 1911.
- 514 **Newman, F. W.** Higher trigonometry. Camb. 1892.
- 514 **Snowball, J. C.** Plane and spherical trigonometry. Camb. 1863.
- Λ^2 **Urquhart, Sir T.** [*King's Coll.*, 1622]. The Trissotetras ; or table for resolving all triangles. Lond. 1645.
- 5142 **Lebesgue, H.** Leçons sur les séries trigonométriques. Paris 1906.
- 5145 **Bourlet, C. E. E.** Leçons de trigonométrie rectiligne. Paris 1898.
- 5145 **Hobson, E. W.** Plane trigonometry. Camb. 1918.
- 5145 **Todhunter, I.** Plane trigonometry. Lond. 1917.
- 5146 **McClelland, W. and Preston, T.** Spherical trigonometry. 2 vols. Lond. 1903.
- 5146 **Todhunter, I.** Spherical trigonometry. Lond. 1903.
- 51082 **Bell, H.** Solution of spherical triangles. Lond. 1915.
- Edi*

·515 DESCRIPTIVE GEOMETRY.

- 515 **Gregory, D.** Treatise of practical geometry. Trans. from Latin [by C. Maclaurin]. Edin. 1745, 1787.
- 51082 **Ince, E. L.** Course in descriptive geometry. Lond. 1915.
- Edi*
- 515 **Loria, G.** Vorlesungen über darstellende Geometrie. Pt. 1→ Leip. 1907→

·51 MATHEMATICS

- 515 **Monge, G.** *Géométrie descriptive.* Paris 1827.
- 515 **Rohn, K., and Papperitz, E.** *Lehrbuch der darstellenden Geometrie.* Leip. 1906.
- 51501 **Whitehead, A. N.** *Axioms of descriptive geometry.* Camb. 1907.
- 51511 **Kempe, A. B.** *How to draw a straight line.* Lond. 1877.

·516 CO-ORDINATE GEOMETRY.

- 516 **Casey, J.** *Analytical geometry.* Dubl. 1893.
- 516 **Coolidge, J. L.** *Treatise on the circle and the sphere.* Oxf. 1916.
- 516 **Gibson, G. A., and Pinkerton, P.** *Elements of analytical geometry.* Lond. 1911.
- 516 **Johnston, W. J.** *Analytical geometry.* Oxf. 1893.
- 516 **Loney, S. L.** *Co-ordinate geometry.* Lond. 1895.
- 516 **Milne, J.** *Analytical geometry of straight line and circle.* Lond. 1919.
- 5161 **Askwith, E. H.** *Analytical geometry of conic sections.* Lond. 1908.
- 5161 **Prado, E.** *Geometria analitica.* Mexico 1908.
- 5161 **Salmon, G.** *Conic sections.* Lond. 1917.
- 5161 **Smith, C.** *Conic sections by the methods of co-ordinate geometry.* Lond. 1918.
- 5161 **Todhunter, I.** *Plane co-ordinate geometry.* Camb. 1858.
- 5162 **Frost, P.** *Curve tracing.* Lond. 1918.
- 5162 **Hilton, H.** *Plane algebraic curves.* Oxf. 1920.
- 51626 **Basset, A. B.** *Cubic and quartic curves.* Camb. 1901.
- 51626 **Salmon, G.** *Higher plane curves.* Dubl. 1852.

·5163 THREE DIMENSIONS.

- 5163 **Aldis, W. S.** *Elementary treatise on solid geometry.* Camb. 1865.
- 5163 **Frost, P.** *Solid geometry. Vol. 1.* Lond. 1875.

·51 MATHEMATICS

- 5163 **Salmon, G.** Analytic geometry of three dimensions.
2 vols. Lond. 1912-15.
- 5163 **Smith, C.** Elementary treatise on solid geometry.
Lond. 1917.
- 5163 **Thompson, H. D.** Elementary solid geometry.
New York 1896.
- 5164 **Forsyth, A. R.** Lectures on the differential geometry
of curves and surfaces. Camb. 1912.
- 5164 **Wood, P. W.** The Twisted cubic. Camb. 1913.

·5165 MODERN CO-ORDINATE GEOMETRY.

- 5165 **Cesaro, E.** Natürliche Geometrie. Leip. 1901.
- 5165 **Jessop, C. M.** Treatise on the line complex.
Camb. 1903.
- 5165I **Ferrers, N. M.** Trilinear co-ordinates, reciprocal polars,
and theory of projections. Lond. 1890.
- 5165I **Lilienthal, R. V.** Vorlesungen über Differential-
geometrie. Vol. 1-→ Leip. 1908-→
- 5165I **Milne, W. P.** Homogeneous co-ordinates. Lond. 1910.
- 5165I **Whitworth, W. A.** Trilinear co-ordinates.
Lond. 1866.
- 51659 **Henderson, A.** The Twenty-seven lines upon the cubic
surface. Camb. 1911.

·5168 VECTORS.

- 5168 **Burali-Forti, C. and Marcolongo, R.** Elements de
calcul vectorial. Paris 1910.
- 5168 **Dickson, L. E.** Linear algebras. Camb. 1914.
- 5168 **Gibbs, J. W.** Vector analysis. New York 1902.
- 5168 **Hamilton, Sir W. R.** Elements of quaternions. Ed.
Joly. 2 vols. Lond. 1899-1901.
- 5168 **Henrici, O.** Vectors and rotors. Lond. 1903.
- 5168 **Joly, C. J.** Manual of quaternions. Lond. 1905.
- 5168 **Kelland, P. and Tait, P. G.** Introduction to quater-
nions. Lond. 1904.
- 5168 **McAulay, A.** Octonions. Camb. 1898.

·51 MATHEMATICS

- 5168 **Shaw, J. B.** Synopsis of linear associative algebra.
Wash. 1907.
- 5168 **Silbertstein, L.** Projective vector algebra.
Lond. 1919.

·517 INFINITESIMAL ANALYSIS.

- 51709 **Cajori, F.** A History of the conceptions of limits and fluxions in Great Britain, from Newton to Woodhouse.
Chicago 1919.
- 5171 **Boutroux, P.** Les Principes de l'analyse mathématique.
Vol. 1→ Paris 1914→
- 5171 **Carslaw, H. S.** Introduction to the infinitesimal calculus.
Lond. 1919.
- 5171 **De Morgan, A.** Elementary illustrations of calculus.
Chicago 1899.
- 5171 **Gibson, G. A.** Elementary treatise on calculus.
Lond. 1901.
- 5171 **Goursat, E.** Mathematical analysis. 2 vols.
Boston, Mass. 1904-17.
- 5171 **Granville, W. A.** Differential and integral calculus.
Boston, Mass. 1911.
- 5171 **Greenhill, Sir G.** Differential and integral calculus.
Lond. 1891.
- 5171 **Harnack, A.** Differential and integral calculus.
Lond. 1891.
- 5171 **Hobson, E. W.** Theory of functions of a real variable.
Vol. 1→ Camb. 1921→
- 5171 **Jordan, C.** Cours d'analyse. 3 vols. Paris 1893-96.
- 5171 **Lamb, H.** Elementary course of infinitesimal calculus.
Camb. 1919.
- 5171 **Maclaurin, C.** Treatise of fluxions. 2 vols.
Edin. 1742.
- 5171 ——— 2 vols. Lond. 1801.
- 5171 **Milne, W. P. and Westcott, G. J. B.** First course in the calculus. 2 pts. Lond. 1919-20.

51 MATHEMATICS

- 5171 **Osgood, W. F.** First course in differential and integral calculus. New York 1907.
- 5171 **Picard, E.** Développement de l'analyse. Paris 1905.
- 5171 ——— Théorie de fonctions algébriques de deux variables indépendantes. 2 vols. Paris 1897-1906.
- 5171 ——— Traité d'analyse. Vol. 1→ Paris 1896→
- 5171 **Scheffers, G.** Anwendung der differential und integral Rechnung auf Geometrie. 2 vols. Leip. 1901-02.
- 5171 **Serret, J. A.** Cours de calcul différentiel et intégral. 2 vols. Paris 1911.
- 5171 **Tannery, J.** Introduction à la théorie des fonctions d'une variable. 2 vols. Paris 1904-10.
- 5171 **Whittaker, E. T., and Watson, G. N.** Modern analysis. Camb. 1920.
- 5171 **Wilson, E. B.** Advanced calculus. Boston, [Mass. 1912].

·5172 DIFFERENTIAL CALCULUS.

- 5172 **Davison, C.** Differential calculus. Lond. 1919.
- 5172 **Edwards, J.** Differential calculus. Lond. 1918.
- 5172 **Todhunter, I.** Differential calculus. Lond. 1919.
- 5172 **Williamson, B.** Differential calculus. Lond. 1916.
- 5172 **Young, W. H.** Fundamental theorems of the differential calculus. Camb. 1910.
- 51721 **Bromwich, T. J. I.** Theory of infinite series. Lond. 1908.
- 51721 **Ford, W. B.** Studies on divergent series. New York 1916.
- 51722 **Wright, J. E.** Invariants of quadratic forms. Camb. 1908.
- 51724 **Fowler, R. H.** Elementary differential geometry of plane curves. Camb. 1920.
- 51726 **Darboux, G.** Leçons sur les systèmes orthogonaux et les co-ordonnées curvilignes. Paris 1910.
- 51726 ——— Théorie générale des surfaces. 4 vols. Paris 1887-96.

·51 MATHEMATICS

- 51726 **Eisenhart, L. P.** Differential geometry of curves and surfaces. Boston, Mass. 1909.
- 51726 **Gauss, C. F.** Investigations of curved surfaces. Princeton 1902.
- 51727 **Hancock, H.** Theory of maxima and minima. Boston, Mass. [1917].

·5173 INTEGRAL CALCULUS.

- 5173 **Edwards, J.** Integral calculus for beginners. Lond. 1918.
- 5173 **Hermite, C.** Cours [definite integrals, etc.]. Paris 1891.
- 5173 **Lebesgue, H.** Intégration des fonctions primitives. Paris 1904.
- 5173 **Todhunter, I.** Integral calculus. Lond. 1916.
- 5173 **Williamson, B.** Integral calculus. Lond. 1918.
- 51082 **Gibb, D.** Course in interpolation and numerical integration. Lond. 1915.
Edi
- 51731 **Hardy, G. H.** Integration of functions of a single variable. Camb. 1905.
- 51734 **Leathem, J. C.** Volume and surface integrals. Camb. 1905.
- 51735 **Byerley, W. E.** Fourier's series. Boston, Mass. 1895.
- 51082 **Carse, G. A. and Shearer, G.** Course in Fourier's analysis and periodogram analysis. Lond. 1915.
Edi
- 51735 **Carslaw, H. S.** Fourier's series and integrals. Lond. 1906.
- 51735 **Graf, J. H. and Gubler, E.** Theorie der Bessel'schen Funktionen. 2 vols. Bern 1898-1900.
- 51735 **Gray, A. and Matthews, G. B.** Treatise on Bessel functions. Lond. 1895.
- 51735 **Nielsen, N.** Handbuch der Theorie der Cylinderfunktionen. Leip. 1904.
- 51735 **Todhunter, I.** Laplace's, Lamé's, and Bessel's functions. Lond. 1875.

.51 MATHEMATICS

.51736 ELLIPTIC FUNCTIONS.

- .51736 **Baker, A. L.** Elliptic functions. New York 1890
- .51736 **Baker, H. F.** Abel's theorem. Camb. 1897.
- .51736 — Multiple periodic functions. Camb. 1907.
- .51736 **Cayley, A.** Elliptic functions. Camb. 1876.
- .51736 **Dixon, A. C.** Properties of elliptic functions.
Lond. 1894.
- .51736 **Greenhill, Sir G.** Applications of elliptic functions.
Lond. 1892.
- .51736 **Halphen, G. H.** Traité des fonctions elliptiques. 3
vols. Paris 1886-91.

.51738 DIFFERENTIAL EQUATIONS.

- .51738 **Adhémar, R. d'.** L'Equation de Fredholm et les problèmes de Dirichlet et Neumann. Paris 1909.
- .51738 **Bateman, H.** Differential equations. Lond. 1918.
- .51738 **Bôcher, M.** Differential equations. Camb. 1909.
- .51738 **Boole, G.** Differential equations. 2 vols.
Camb. 1859-65.
- .51738 **Craig, T.** Linear differential equations. Vol. 1→
New York 1889→
- .51738 **Forsyth, A. R.** Differential equations. Lond. 1914.
- .51738 — Theory of differential equations. 4 pts.
Camb. 1890-1906.
- .51738 **Goursat, E.** Intégration des équations. Paris 1891.
- .51738 **Heywood, H. B.** Sur l'équation fonctionnelle de Fredholm.
Paris 1908.
- .51738 **Johnson, W. W.** Ordinary and partial differential equations.
New York 1889.
- .51738 **Klein, F.** Über die hypergeometrische Funktion.
Leip. 1906.
- .51738 **Lalesco, T.** Introduction à la théorie des équations intégrales.
Paris 1912.
- .51738 **Lie, S.** Geometrie der Berührungstransformation.
Vol. 1→ Leip. 1896→
- .51738 — Vorlesungen über Differentialgleichungen.
Leip. 1891.

51 MATHEMATICS

- 51738 **Murray, D. A.** Introductory course in differential equations, for students in classical and engineering colleges. New York 1919.
- 51738 **Page, J. M.** Differential equations. Lond. 1897.
- 51738 **Painlevé, P.** Intégration des équations. Paris 1895.
- 51738 **Tresse, A.** Invariants de l'équation différentielle. Leip. 1896.
- 51738 **Volterra, V.** Leçons sur les équations intégrales et les équations intégro-différentielles. Paris 1913.
- 51738 **Wallenberg, G. and Guldberg, A.** Theorie der linearen Differenzengleichungen. Leip. 1911.
- 51738 **Weber, H.** Die Partiellen Differentialgleichungen. 2 vols. Braunsch. 1900-01.

5174 CALCULUS OF VARIATIONS.

- 5174 **Bolza, O.** Lectures on calculus of variations. Chicago 1904.
- 5174 **Hadamard, J.** Leçons sur le calcul des variations. Vol. 1→ Paris 1910→
- 5174 **Todhunter, I.** Researches in calculus of variations. Lond. 1871.
- 517409 — History of calculus of variations. Camb. 1861.

5175 CALCULUS OF FUNCTIONS.

- 5175 **Appell, P., and Goursat, É.** Théorie des fonctions algébriques. Paris 1895.
- 5175 **Baire, B.** Leçons sur les fonctions discontinués. Paris 1905.
- 5175 **Burkhardt, H.** Funktionentheoretische Vorlesungen. 2 vols. Leip. 1899-1900.
- 51082 **Ford, L. R.** Introduction to theory of automorphic functions. Lond. 1915.
- Edi
- 5175 **Frege, G.** Function und Begriff. Jena 1891.
- 5175 **Fricke, R.** Vorlesungen. Analytisch-functionentheoretischer Teil. Leip. 1900.
- 5175 **Fricke, R., and Klein, F.** Theorie der automorphen Functionen. 2 vols. Leip. 1897-1912.

.51 MATHEMATICS

- .5175 **Harkness, J., and Morley, F.** Introduction to theory of analytic functions. Lond. 1898.
- .5175 ——— Treatise on theory of functions. Lond. 1893.
- .5175 **Schoenflies, A.** Lehre von den Punktmannigfaltigkeiten. Leip. 1900.
- .5175 **Volterra, V.** Theory of permutable functions. Princeton 1915.

.5176 CALCULUS OF FINITE DIFFERENCES.

- .5176 **Markoff, A. A.** Differenzenrechnung. Leip. 1896.

.5178 COMPLEX VARIABLES.

- .5178 **Burkhardt, H.** Theory of functions of a complex variable. Lond. 1913.
- .5178 **Durège, H.** Elements of theory of functions of a complex variable. Philad. 1896.
- .5178 **Forsyth, A. R.** Theory of functions of a complex variable. Camb. 1893.

.519 PROBABILITIES.

- .519 **Bertrand, J.** Calcul des probabilités. Paris 1888.
- .519 **Borel, É.** Éléments de la théorie des probabilités. Paris 1909.
- .519 **Carvallo, E.** Calcul des probabilités. Paris 1912.
- .519 **Czuber, E.** Probabilités et moyennes géométriques. Paris 1902.
- .519 **De Morgan, A.** Essay on probabilities. Lond. 1838.
- .519 **Laplace, P. S. de, Marquis.** Philosophical essay on probabilities. New York 1902.
- .519 **Poincaré, H.** Calcul des probabilités. Paris 1912.
- .519 **Proctor, R. A.** Chance and luck. Lond. 1891.
- .519 **Whitworth, W. A.** Choice and chance. Camb. 1878.
- .51909 **Todhunter, I.** History of theory of probability. Camb. 1865.

·51 MATHEMATICS

·5196 ERRORS OF OBSERVATION.

- 5196 **Brunt, D.** The Combination of observations.
Camb. 1917.
- 5196 **Czuber, E.** Theorie der Beobachtungsfehler.
Leip. 1891.
- 5196 **Lupton, S.** Notes on observations. Lond. 1898.
- 5198 **Comstock, G. C.** Method of least squares.
Boston, Mass. 1890.
- 5198 **Merriman, M.** Method of least squares.
New York 1901.

·52 ASTRONOMY.

- 5202 **Lepper, G. H.** From nebula to nebula. Pittsburgh 1919.
- 5202 **Newcomb, S.** The Stars: a study of the universe.
Lond. 1904.
- 5203 **Valentiner, W.** Handwörterbuch der Astronomie.
4 vols. Breslau 1897-1902.
- 5204 **Black, F. A.** Problems in time and space. Lond. [1909].
- 5204 **Gore, J. E.** Studies in astronomy. Lond. 1904.
- 5204 — The Worlds of space. Lond. 1894.
- 5204 **Turner, H. H.** Astronomical discovery. Lond. 1904.

·5205 PERIODICALS.

- 5205 A.R. **Astronomical register.** Vols. 3-17. Lond. 1866-80.
- 5205 A.N. **Astronomische Nachrichten.** Vol. 6→
Altona, Kiel 1828→
- 5205 A.J. **Astrophysical journal.** Vol. 20→ Chicago 1904→
- 5205 O. **Observatory.** Vol. 1→ Lond. 1878→
- 5206 A.M. **Astronomical Society, Royal.** Memoirs. Vol. 1→
Lond. 1822→
- 5206 A.N. — Monthly notices. Vol. 7→ Lond. 1847→

·5208 COLLECTED WORKS.

- 52081 **Arago, F.** Œuvres complètes. 17 vols. Paris 1854-62.
- 52081 **Bessel, F. W.** Abhandlungen. 3 vols. Leip. 1875-76.
- 52081 **Darwin, Sir G. H.** Scientific papers. 4 vols.
Camb. 1907-11.
- 52081 **Galilei, G.** Opere. 16 vols. Firenze 1842-56.
- 52081 **Herschel, Sir W.** Scientific papers. 2 vols.
Lond. 1912.

·52 ASTRONOMY

- 52081 **Hill, G. W.** Collected works. Vol. 1→ Wash. 1905→
 ·52081 **Huggins, Sir W.** Scientific papers. Lond. 1909.
 ·52081 **Kepler, J.** Opera omnia. 8 vols. Frankf. a M. 1858-71.
 ·52081 **Newton, Sir I.** Opera quae extant omnia. 5 vols.
 Lond. 1779-85.
 ·52082 **OSTWALD'S KLASSIKER.** Leip. 1889→
 ·52084 **Ball, Sir R. S.** An Atlas of astronomy. Lond. 1892.
 ·52084 **Schweiger-Lerchenfeld, A. von, baron.** Atlas der
 Himmelskunde. Wien 1898.

·5209 HISTORY.

- 5209 **Berry, A.** Short history of astronomy. Lond. 1898.
 ·88:52 **Brown, R.** Researches into the origin of the primitive
 constellations of the Greeks, etc. 2 vols.
 Lond. 1899-1900.
 ·5209 **Bryant, W. H.** History of astronomy. Lond. [1907].
 ·5209 **Clerke, A. M.** History of astronomy during the 19th
 century. Lond. 1902.
 ·5209 **Delambre, J. B. J.** Histoire de l'astronomie ancienne.
 2 vols. Paris 1817.
 ·5209 ——— Histoire de l'astronomie du moyen âge. Paris 1819.
 ·5209 ——— Histoire de l'astronomie moderne. 2 vols.
 Paris 1821.
 ·5209 ——— Histoire de l'astronomie au dix-huitième siècle.
 Paris 1827.
 ·5209 **Dreyer, J. L. E.** History of planetary systems.
 Camb. 1906.
 ·5209 **Grant, R.** [*M.A., King's Coll.*]. History of physical astro-
 nomy. Lond. 1852.
 ·5209 **Lockyer, Sir J. N.** The Dawn of astronomy.
 Lond. 1894.
 ·5209 **Lodge, Sir O. J.** Pioneers of science. Lond. 1893.
 ·5209 **Turner, H. H.** Modern astronomy. Westm. 1901.
 ·016:52 **Royal Society.** International catalogue of scientific
 literature. Astronomy [1901→] Lond. 1902→

·52 ASTRONOMY

- 92 : 5208 **Ball, Sir R. S.** Great astronomers. Lond. 1895.
- 92 : 52 **Brewster, Sir D.** Memoir of Sir Isaac Newton. 2 vols. Edin. 1855.
- 92 : 52 **Forbes, G.** David Gill—man and astronomer. Lond. 1916.
- 52 : 53 **Arrhenius, S. A.** Lehrbuch der kosmischen Physik. 2 pts. Leip. 1903.
- 52 : 53 **Clerke, A. M.** Problems in astrophysics. Lond. 1903.
- 52 : 53 **Trabert, W.** Lehrbuch der kosmischen Physik. Leip. 1911.

·521 THEORETICAL ASTRONOMY.

- 521 **Maclaurin, C.** Account of Sir Isaac Newton's philosophical discoveries. Lond. 1748, 1750, 1775.
- 521 **Newton, Sir I.** Philosophiæ naturalis principia mathematica. [*Editio princeps.*] Lond. 1687.
- 521 ——— Glasg. 1871.
- 521 **Poincaré, H.** Leçons sur les hypothèses cosmogoniques. Paris 1911.
- 521022 **Gregory, D.** [*Mar. Coll.*, 1671]. Astronomiæ physicæ et geometricæ elementa. Oxf. 1702.

·5211 SOLAR SYSTEM.

- 5211 **Alembert, J. le R. d'.** Système du monde. 3 vols. Paris 1754-56.
- 5211 **Jeans, J. H.** Problems of cosmogony and stellar dynamics. Camb. 1919.
- 5211 **Laplace, P. S. de, Marquis.** Mécanique celeste. 5 vols. Paris [1798]-1827.
- 5211 **Todhunter, I.** History of mathematical theories of attraction. 2 vols. Lond. 1873.
- 5213 **Moulton, F. R.** Periodic orbits. Wash. 1920.
- 5214 **Dziobek, O.** Mathematical theories of planetary motions. Ann Arbor 1892.

·52 ASTRONOMY

- 5214 **Newcomb, S., and Ross, F. E.** Inequalities in motion of the moon produced by action of planets. Wash. 1907.
- 5215 **Gyldén, J. A. H.** Orbites absolues des huit planètes principales. Vol. 1→ Stockh.→
- 51089 **Maxwell, J. Clerk.** On the stability of the motion of Saturn's rings. Camb. 1859.
Written while Maxwell was Professor of Natural Philosophy in Marischal College.
- 5215 **Socolow, S.** Corrélations régulières du système planétaire. Moscou 1898.
- 5216 **Andoyer, H.** Théorie de la lune. [Paris] 1902.
- 5218 **Cruls, L.** Eclipses du soleil. Rio de Janeiro 1894.

·522 PRACTICAL ASTRONOMY.

·5221 OBSERVATIONS.

- 5221 **Stroobant, P.** Les Observatoires astronomiques et les astronomes. Brux. 1907.
- 5221 **Dunecht observatory.** Publications. Vols. 1-3.
(41) D. Dunecht 1876-85.
- 5221 **Edinburgh Royal observatory.** Annals. Vol. 1→
(41) E.A. Edin. 1902→
- 5221 — Observations. Vols. 1-15. Edin. 1838-86.
(41) E.O.
- 5221 **Glasgow University observatory.** Catalogues of
(41) G. stars. 1→ Glasg. 1883→
- 5221 **Dublin University.** Astronomical observations made
(415) D.A. at Dunsink. Pt. 1→ Dubl. 1870→
- 5221 **Cambridge observatory.** Observations. Vols. 1-12.
(42) C.O. Camb. 1829-41.
- 5221 **Greenwich observatory.** Astrographic catalogue.
(42) G.A. Vol. 1→ Lond. 1904→
- 5221 — Astronomical observations. 1750→. [Various
(42) G.O. series.] Lond. 1774→
- 5221 **Oxford University.** Astrographic catalogue. Vol. 1→
(42) O.U. Edin. 1906→

- 5221 **Radcliffe observatory.** Observations. Vol. 19→
(42) R.O. Oxf. 1861→
- 5221 — Star catalogues. Oxf. 1860→
(42) R.S.
- 5221 **Observatoire de Paris.** Annales: Mémoires. Vol. 1→
(44) P.M. Paris 1855→
- 5221 — Annales: Observations. 1800→ Paris 1858→
(44) P.O.
- 5221 **Observatoire royal de Belgique.** Annales astrono-
(493) B.A. I mique. Vol. 8→ Brux. 1904→
- 5221 — Annales: Physique du globe. Vol. 3→
(493) B.A. 2 Brux. 1905→
- 5221 — Annuaire astronomique. Brux. 1901→
(493) B.A.A.
- 5221 **Madras and Kodaikanal observatory.** Astronomica
(548) M.A. observations. [Various series.] Madras 1832→
- 5221 **Cape of Good Hope observatory.** Annals. Vol. 1→
(687) C.A. Lond. 1896→
- 5221 — Meridian observations, 1859→ Cape Town 1874→
(687) C.M.O.
- 5221 — Star catalogues, 1834→ Cape Town 1873→
(687) C.S.
- 5221 **Yale University observatory.** Reports, 1887→
(746) Y.R. [New Haven 1887→
- 5221 — Trans. Vol. 1→ New Haven 1904→
(746) Y.T.
- 5221 **Smithsonian Institution.** Annals of the Astrophysical
(753) S.A. observatory. Vol. 1→ Wash. 1900→
- 5221 **Rio de Janeiro observatory.** Annuario 1888-90,
(81) R.An. 1892-1903, 1905→ Rio de Janeiro 1888→
- 5221 — Boletim, 1909→ Rio de Janeiro 1912→
(81) R.B.
- 5221 **Batavia observatory.** Verhandelingen. No. 1→
(922) B.V. Batavia 1911→

·52 ASTRONOMY

·5227 SPHERICAL ASTRONOMY.

- 5227 **Ball, Sir R. S.** Treatise on spherical astronomy.
Camb. 1908.
- 5227 **Newcomb, S.** Compendium of spherical astronomy.
New York 1906.

·523 DESCRIPTIVE ASTRONOMY.

- 523021 **Chambers, G. F.** Handbook of descriptive and practical
astronomy. 3 vols. Oxf. 1889-90.
- 523022 **Ball, Sir R. S.** Story of the heavens. Lond. 1886.
- 523022 **Grimthorpe, Sir E. Beckett, 1st baron.** Astronomy
without mathematics. Lond. 1876.
- 523022 **Moulton, F. R.** Introduction to astronomy.
New York 1906.
- 523022 **Newcomb, S.** Astronomy for everybody. Lond. 1908.
- Λ **Bain, A.** Astronomy. Edin. 1848.
- 523023 **Ball, Sir R. S.** Astronomy. Lond. 1892.
- 52304 — In the high heavens. Lond. 1893.
- 52304 — In starry realms. Lond. 1892.
- 52304 — Star-land. Lond. 1896.
- 52304 **Miller, R. K.** The Romance of astronomy. Lond. 1882.
- 52304 **Nichol, J. P.** [*M.A., King's Coll.*]. Architecture of the
heavens. Edin. 1843.
- 52304 — The Stellar universe. Edin. 1848.
- 52304 — Thoughts on the system of the world. Edin. 1846.
- 52304 **Proctor, R. A.** Myths and marvels of astronomy.
Lond. 1878.
- 52304 — The Orbs around us. Lond. 1872.
- 52304 — Other suns than ours. Lond. 1876.
- 52304 — Our place among the infinities. Lond. 1876.
- 52304 — The Poetry of astronomy. Lond. 1881.
- 52304 **Wallace, A. R.** Man's place in the universe.
Lond. 1904.

52 ASTRONOMY

5231 THE UNIVERSE.

- 5231 **Laplace, P. S. de, Marquis.** The System of the world.
2 vols. Dubl. 1830.
- 5231 **Lowell, P.** Evolution of worlds. New York 1909.

5232 SOLAR SYSTEM.

- 5232 **Poor, C. L.** The Solar system, a study of recent observations. Lond. 1908.
- 5233 **Nasmyth, J., and Carpenter, J.** The Moon considered as a planet, a world, and a satellite. Lond. 1874.
- 5233 **Neison, E.** The Moon and the condition of its surface. Lond. 1876.
- 5233 **Proctor, R. A.** The Moon, her motions, aspect, scenery and physical conditions.
- 52339 **Blagg, M. A.** Collated list of lunar formations. Edin. 1913.
- 52342 **Clerke, E. M.** The Planet Venus. Lond. 1893.
- 52343 **Cerulli, V.** Marte nel 1896-1897. Collurania 1898.
- 52343 **Lowell, P.** Mars as the abode of life. New York 1909.
- 52345 **Simpson, R. A.** Tables of the four great satellites of Jupiter. Lond. 1910.
- 52346 **Proctor, R. A.** Saturn and its system. Lond. 1865.
- 52348 **Nichol, J. P.** The Planet Neptune. Edin. 1848.
- 52359 **Angot, A.** The Aurora borealis. Lond. 1896.
- 5237 **Ball, Sir R. S.** The Story of the sun. Lond. 1893.
- 5237 **Nodon, A.** L'Action électrique du soleil. Paris 1910.
- 5237 **Pringsheim, E.** Vorlesungen über die Physik der Sonne. Leip. 1910.
- 5237 **Proctor, R. A.** The Sun. Lond. 1871.
- 5237 **Young, C. A.** The Sun. Lond. [1895].
- 52372 **Newcomb, S.** The Sun's thermal radiation. Philad. 1908.
- 52373 **Adams, W. S.** The Rotation period of the sun. Wash. 1911.

·52 ASTRONOMY

- 52373 **Hale, G. E., and Fox, P.** Rotation period of the sun.
Wash. 1908.
- 52373 **Hubrecht, J. B.** The Solar rotation in June, 1911, from
spectroscopic observations. Camb. 1915.
- 52374 **Birkeland, K.** Recherches sur les taches du soleil.
Christiania 1899.
- 52374 **Peters, C. H. F.** Heliographic positions of sun spots.
Wash. 1907.
- 52376 **Lockyer, Sir J. N.** Contributions to solar physics.
Lond. 1874.
- f:·52377 **McClean, F.** Comparative spectra of the high sun and
low sun. Lond. [1890].
- f:·52377 ——— Comparative spectra of the sun and the metals.
Lond. [1891].
- 52378 **Langley, S. P., and Abbot, C. G.** The 1900 solar
eclipse expedition. Wash. 1904.
- 52378 **Naegamvala, K. D.** Report on solar eclipse of 1898.
Bombay 1902.

·5238 STELLAR SYSTEM.

- 5238 **Hale, G. E.** The Study of stellar evolution.
Chicago 1909.
- 5238 **See, T. J. J.** Evolution of the stellar systems. 2 vols.
Lynn, Mass. 1896-1900.
- 52381 **Russell, H. N.** Determinations of stellar parallax.
Wash. 1911.
- 52382 **Parkhurst, J. A.** Researches in stellar photometry.
Wash. 1906.
- 52382 **Yntema, L.** On the total amount of starlight.
Groningen 1909.
- 52383 **Burnham, S. W.** Measures of proper motion stars.
Wash. 1913.
- 52383 **Campbell, W. W.** Stellar motions.
New Haven, Conn. 1913→
- 52383 **Maanen, A. van.** The Proper motions of 1418 stars.
Utrecht 1911.

·52 ASTRONOMY

- 52385 **Newcomb, S.** On the position of the planes towards which the stars tend to crowd. Wash. 1904.
- 52387 **Huggins, Sir W., and M., Lady.** Atlas of stellar spectra. Lond. 1899.
- 52389 **Burnham, S. W.** Catalogue of double stars. 2 vols. Wash. 1906.
- 52389 **Knobel, E. B.** Ulugh Beg's Catalogue of stars. Wash. 1917.
- 52389 **Peters, C. H. F., and Knobel, E. B.** Revision of Ptolemy's Almagest. Wash. 1915.

·525 THE EARTH.

- 52512 **Poynting, J. H.** The Mean density of the Earth. Lond. 1894.
- 52524 **Wilde, A.** Causes of the phenomena of terrestrial magnetism. [Lond. 1891.]
- 52535 **De Horsey, Sir A. F.** Draysonia: Second rotation of the earth. Lond. 1911.
- 5256 **Darwin, Sir G. H.** The Tides and kindred phenomena. Lond. 1898.

·526 GEODESY.

- 526 **Burrard, Sir S. G.** Investigations of isostasy. Dehra Dun 1918.
- 5263 **Hunter, J. de G.** The Earth's axes and triangulation. Dehra Dun 1918.
- 5266 **Mackay, A.** [LL.D., *King's and Mar. Coll.*]. Determination of the latitude and longitude of Aberdeen. [Edin. 1793-96.]
- 52673 **Couchman, H. J.** Pendulum operations in India and (54) Burma. Dehra Dun 1915.
- 5269 **Baker, T.** Land and engineering surveying. Lond. 1898.
- 5269 **Duplessis, J.** Traité du levé des plans et de l'arpentage. Paris 1901.
- 5269 **Hammer, E.** Lehrbuch der elementaren praktischen Geometrie. Vol. 1→ Leip. 1911→
- 5269 **Usill, G. W.** Practical surveying. Lond. 1901.

·52 ASTRONOMY

- 5269 **Whitelaw, J.** Surveying. Lond. 1902.
- 5269 **Wilson, H. M.** Topographic surveying.
New York 1908.
- 5269(42) **Ordnance survey.** Methods adopted for the produc-
tion of maps of the United Kingdom. Lond. 1902.
- 5269(54) **India trigonometrical survey.** Account of operations.
Vol. 1→ Dehra Dun 1870→
- 5269(68) **South Africa geodetic survey.** Report. Vol. 1→
Cape Town 1896→
- 52691 **Flemer, J. A.** Photomicrographic methods and instru-
ments. New York 1906.
- 52698 **Reed, H. A.** Topographical drawing and sketching.
2 vols. New York 1895.
- 52699 **Lockyer, Sir J. N.** Surveying for archæologists.
Lond. 1909.

·527 NAVIGATION.

- 527 **Hall, W.** Modern navigation. Lond. 1904.

·528 EPHEMERIDES.

- 528 B.L. **Bureau des longitudes.** Annuaire. 1829-54, 1865→
Paris 1828→
- 528 C.T. **Connaissance des temps.** 1849, 1860→ Paris 1846→
- 528 N.A. **Nautical almanac.** 1767→ Lond. 1766→

·529 CHRONOLOGY.

- 52902 **Ginzel, F. K.** Handbuch der mathematischen und
technischen Chronologie. 3 vols. Leip. 1906-14.
- 913 **Lockyer, Sir J. N.** Stonehenge and other British stone
(4231) monuments astronomically considered.
Lond. 1909.
- 52904 **Nilsson, M. P.** Primitive time-reckoning. Lund 1920.
- 52904 **Philip, A.** Improvement of the Gregorian calendar.
Lond. 1918.
- 5297 **Benson, J. W.** Time and time tellers. Lond. 1902.
- 5297 **Cunynghame, H. H. S.** Time and clocks. Lond. 1909.
- 52978 **Gatty, Mrs. A.** Book of sundials. Lond. 1890.

·53 PHYSICS.

- 5301 **Brose, H. L.** Theory of relativity. Oxf. 1919.
- 5301 **Carmichael, R. D.** The Theory of relativity.
New York 1913.
- p ·5301 **Cohn, E.** Physikalisches über Raum und Zeit. Vierte
Auflage. Leip. 1920.
- 51082 **Conway, A. W.** Relativity. Lond. 1915.
Edi
- 5301 **Cunningham, E.** The Principle of relativity.
Camb. 1914.
- 5301 **Dolbear, A. E.** Matter, ether, and motion. Lond. 1903.
- 5301 **Duhem, P.** La Notion de théorie physique de Platon à
Galilée. Paris 1908.
- 5301 **Eddington, A. S.** Report on the relativity theory of
gravitation. Lond. 1920.
- 5301 ——— Space, time, and gravitation: an outline of the
general relativity theory. Camb. 1920.
- 5301 **Einstein, A.** Relativity—the special and the general
theory. Lond. 1920.
- 5301 **Freundlich, E.** Foundations of Einstein's theory of
gravitation. Camb. 1920.
- 5301 **Harrow, B.** From Newton to Einstein: changing con-
ceptions of the Universe. Lond. 1920.
- 5301 **Larmor, J.** Aether and matter. Camb. 1900.
- 5301 **Le Bon, G.** L'Évolution de la matière. Paris 1905.
- 5301 ——— Evolution of forces. Lond. 1908.
- 0826 **Lodge, Sir O. J.** Modern views on matter. Oxf. 1903.
Rom 2

·53 PHYSICS

- 5301 **Manville, O.** *Les Découvertes modernes en physique.* Paris 1909.
- 5301 **Richardson, O.** *Electron theory of matter.* Camb. 1914.
- 5301 **Robb, A. A.** *Absolute relations of time and space.* Camb. 1921.
- 5301 — *Optical geometry of motion : new view of theory of relativity.* Camb. 1911.
- 5301 — *A Theory of time and space.* Camb. 1914.
- 5301 **Sampson, R. A.** *On gravitation and relativity.* Oxf. 1920.
- 5301 **Schlick, M.** *Space and time in contemporary physics : an introduction to the theory of relativity and gravitation.* Oxf. 1920.
- 5301 **Silberstein, L.** *The Theory of relativity.* Lond. 1914.
- 5301 **Slosson, E. E.** *Easy lessons in Einstein.* Lond. 1920.
- 5301 **Tait, P. G.** *Properties of matter.* Lond. 1907.
- 5301 **Thomson, Sir J. J.** *Relation between ether and matter.* Manch. 1908.
- 5301 **Tolman, R. C.** *The Theory of the relativity of motion.* Berkeley 1917.

·5302 MANUALS.

- 53021 **Bouasse, H.** *Cours de physique.* 6 pts. Paris 1907-09.
- 53021 **Campbell, N. R.** *Physics, the elements.* [Pt. 1→] Camb. 1920→
- 53021 **Chwolson, O. D.** *Traité de physique.* Vol. 1→ Paris 1906→
- 53021 **Gray, A.** *Treatise on physics.* Vol. 1→ Lond. 1901→
- 53021 **Jamin, J. C.** *Cours de physique.* 4 vols. (Suppl. 1, 2, 3 par M. Bouty.) Paris 1878-1906.
- 53021 **Kelvin, Sir W. Thomson, 1st baron, and Tait, P. G.** *Treatise on natural philosophy.* 2 pts. Camb. 1912.

·53 PHYSICS

- | | |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 53021 | Poynting, J. H., and Thomson, Sir J. J. Text-book of physics. Properties of matter (Sound; Heat; Electricity). Lond. 1913 (1920). |
| 53021 | Warburg, E. Physik. Unter Redaktion von E. Warburg. (Kultur der Gegenwart.) Leip. 1915. |
| 53021 | Winkelmann, A. Handbuch der Physik. 6 vols. Leip. 1903-09. |
| 53021 | Wüllner, A. Lehrbuch der Experimentalphysik. Vol. 1→ Leip. 1907→ |
| 53022 | Arnott, N. [<i>M.A., Mar. Coll., 1805</i>]. Elements of physics. Ed. A. Bain [<i>M.A., 1840</i>], and A. S. Taylor. Lond. 1876. |
| 53022 | Chappuis, J., and Berget, A. Leçons de physique générale. Vol. 1→ Paris 1899→ |
| 53022 | Christiansen, C. Elements of theoretical physics. Lond. 1897. |
| 53022 | Daniell, A. Principles of physics. New York 1911 |
| 53022 | Deschanel, A. P. Elementary treatise on natural philosophy. Lond. 1890. |
| 53022 | Ganot, A. Elementary treatise on physics, experimental and applied. Lond. 1910. |
| 53022 | Kundt, A. Vorlesungen über Experimentalphysik. Braunsch. 1903. |
| 53022 | Lorentz, H. A. Lehrbuch der Physik. 2 vols. Leip. 1906-07. |
| 53022 | Millikan, R. A., and Mills, J. Mechanics, molecular physics and heat. (Electricity, sound and light.) Boston [Mass.] 1903 (1908). |
| 53022 | Watson, W. Text-book of physics. Lond. 1899. |
| 53023 | Houston, R. A. Elements of physics. Lond. 1919. |
| 53023 | Stewart, B. Lessons in elementary physics. Lond. 1899. |
| 5304 | Planck, M. Acht Vorlesungen über theoretische Physik. Leip. 1910. |

·53 PHYSICS

·5305 PERIODICALS.

- 5305 A.P. I **Annalen der Physik** [und **Chemie** to 1899]. Vol. 143→ Leip. 1846→
- 5305 A.P. 4 ——— **Beiblätter**. 43 vols. Leip. 1877-1919.
- 5305 A. Ph. **Annales de physique** [*previously Annales de chimie et de physique*, '5405]. Vol. 1→ Paris [1914→
- 5305 F.P. **Fortschritte der Physik**. Vol. 1→ Berl. 1847→
- 5305 J.P. **Journal de physique**. Ser. iv, vol. 5→ Paris 1906→
- 5305 N.C. **Nuovo cimento**. Ser. v, vol. 9→ Pisa 1905→
- 5305 P.B. **Physikalische Berichte**. Vol. 1→ Braunsch. 1920→
- 5305 P.Z. **Physikalische Zeitschrift**. Vol. 1→ Leip. 1900→
- 5305 R.P. **Repertorium für physikalische Technik**. Vols. 1-27. München 1866-91.
- 5305 S.A. **Science abstracts**. Vols. 1-5. Lond. 1898-1902.
 Sect. A. **Physics**. Vol. 16→ Lond. 1903→
 Sect. B. **Electrical engineering**. Vol. 6→ Lond. 1903→
- 5306 L.P. **Physical society of London**. Proc. Vol. 1→ Lond. 1876→
- 5306(44) **Congrès international de physique**. Rapports. 4 vols. Paris 1900-01.
- 5306(73) **Bureau of standards**. Bulletin. Vol. 1→ Wash. 1905→
 B.S.
- 5306(744) **Harvard University**, Jefferson physical laboratory. Contributions. Vol. 1→ Camb. [Mass. 1904→]

·5307 METHODS OF STUDY.

- 5307 **Abraham, H.** **Recueil d'expériences élémentaires de physique**. 2 vols. Paris 1904.
- 5307 **Auerbach, F.** **Physik in graphischen Darstellungen**. Leip. 1912.
- 5307 **Glazebrook, Sir R. T., and Shaw, Sir W. N.** **Practical physics**. Lond. 1918.

53 PHYSICS

- 5307 **Gregory, R. A., and Simmonds, A. T.** Elementary physics and chemistry. 3 vols. Lond. 1901-02.
- 5307 — Exercises in practical physics. 2 vols. Lond. 1899-1901.
- 5307 **Kohlrausch, F.** Lehrbuch der praktischen Physik. Leip. 1905.
- 5307 **Schuster, A., and Lees, C. H.** Advanced exercises in practical physics. Camb. 1901.
- 5307 — Course of practical physics. Lond. 1896.
- 5307 **Stewart, B., and Gee, W. H. H.** Elementary practical physics. Vol. 1→ Lond. 1885→
- 5307 **Watson, W.** Elementary practical physics. Lond. 1906.
- 5307 — Text-book of practical physics. Lond. 1906.

5308 COLLECTED WORKS.

- 53081 **Adams, J. C.** Scientific papers. 2 vols. Camb. 1896-1900.
- 53081 **Andrews, T.** Scientific papers. Lond. 1889.
- 53081 **Curie, P.** Œuvres. Paris 1908.
- 53081 **Fitzgerald, G. F.** Scientific writings. Dubl. 1902.
- 53081 **Foucault, L.** Travaux scientifiques. Paris 1878.
- 53081 **Franklin, B.** Works. 3 vols. Lond. 1806.
- 53081 **Fresnel, A. J.** Œuvres. 3 vols. Paris 1866-70.
- 53081 **Gibbs, J. W.** Scientific papers. 2 vols. Lond. 1906.
- 53081 **Green, G.** Mathematical papers. Lond. 1871.
- 53081 **Helmholtz, H. L. F. von.** Vorlesungen über theoretische Physik. 6 vols. Hamb., Leip. 1897-1901.
- 53081 — Wissenschaftliche Abhandlungen. 3 vols. Leip. 1882-95.
- 53081 **Hertz, H.** Werke. 3 vols. Leip. 1894-95.
- 53081 **Hopkinson, B.** Scientific papers. Camb. 1921.
- 53081 **Hopkinson, J.** Original papers. 4 vols. Camb. 1901.
- 53081 **Joule, J. P.** Scientific papers. 4 vols. Lond. 1884-87.
- 53081 **Kelvin, Sir W. Thomson, 1st baron.** Mathematical and physical papers. 6 vols. Camb. 1882-1911.

53 PHYSICS

- 53081 **Kirchhoff, G.** Gesammelte Abhandlungen. (Nachtrag.)
Leip. 1882 (1891).
- 53081 **Kohlrausch, F.** Gesammelte Abhandlungen. 2 vols.
Leip. 1910-11.
- 53081 **Lloyd, H.** Papers connected with physical science.
Lond. 1877.
- 53081 **Lorentz, H. A.** Abhandlungen über theoretische Physik.
Vol. 1→ Leip. 1907→
- 53081 **Lorenz, L. V.** Œuvres scientifiques. 2 vols.
Copenh. 1898-1904.
- 53081 **MacCullagh, J.** Collected works. Dubl. 1886.
- 53081 **Maxwell, J. Clerk.** Scientific papers. 2 vols.
Camb. 1890.
- 53081 **Poynting, J. H.** Collected scientific papers.
Lond. 1881.
- 53081 **Rankine, W. J. M.** Miscellaneous scientific papers.
Lond. 1881.
- 53081 **Rayleigh, J. W. Strutt, 3rd baron.** Scientific papers.
6 vols. Camb. 1899-1920.
- 53081 **Reynolds, O.** Papers on mechanical and physical sub-
jects. Vol. 1→ Camb. 1900→
- 53081 **Rowland, H. A.** Physical papers. Baltimore 1902.
- 53081 **Rumford, B., Count.** Works. 5 vols. Lond. 1876.
- 53081 **Stokes, Sir G. G.** Mathematical and physical papers.
5 vols. Camb. 1880-1905.
- 53081 **Tait, P. G.** Scientific papers. Vol. 1→ Camb. 1898→
- 53081 **Thomson, J.** Collected papers on physics and en-
gineering. Camb. 1912.
- 53081 **Verdet, E.** Œuvres. 8 vols. Paris 1868-72.
- 53081 **Weber, W.** Werke. 6 vols. Berl. 1892-94.
- 53081 **Wheatstone, Sir C.** Scientific papers. 2 vols.
Lond. 1879.
- 53081 **Young, T.** Miscellaneous works. 3 vols. Lond. 1855.

·53 PHYSICS

- 53082 **OSTWALD'S KLASSIKER.** No. 1→ Leip. 1889→
- 53082 **Physical society of London.** Physical memoirs selected from foreign sources. Vol. 1, pts. 1-3. Lond. 1888-90.
- 53082 **Société française de physique.** Collection de mémoires relatifs à la physique. 5 vols. Paris 1884-91.
- 53082 **Tyndall, J., and Francis, W.** Scientific memoirs selected from foreign transactions and journals. Lond. 1853.
- 53083 **Abraham, H., and Sacerdote, P.** Recueil de constantes physiques. Paris 1913.

·5309 HISTORY.

- 5309 **Cajori, F.** History of physics in its elementary branches. New York 1899.
- 5309 **Poincaré, L.** The New physics and its evolution. Lond. 1907.
- 5309 **Schuster, A.** Progress of physics. 1875-1908. Camb. 1911.
- 5309 **Tait, P. G.** Recent advances in physical science. Lond. 1876.
- 5309 **Whetham, W. C. D.** Recent developments of physical science. Lond. 1904.
- 016 : 531 **Royal Society.** International catalogue of scientific literature. Mechanics. [1901→] Lond. 1902→
- 016 : 53 — — — Physics. [1901→] Lond. 1902→
- 92 : 53 **Glazebrook, R. T.** James Clerk Maxwell and modern physics. Lond. 1896.
- 92 : 53 **Jones, H. B.** Life and letters of Faraday. 2 vols. Lond. 1870.
- 92 : 53 **Koenigsberger, L.** Hermann von Helmholtz. Oxf. 1906.
- f. ·92 : 53 **Knott, C. G.** Life and scientific work of Peter Guthrie Tait. Camb. 1911.
- 92 : 5308 **Macfarlane, A.** Ten British physicists of the nineteenth century. New York 1919.

·53 PHYSICS

·531 MECHANICS [DYNAMICS].

- 53101 **Hertz, H.** Principles of mechanics. Lond. 1899.
- 53101 **Mach, E.** Science of mechanics. Chicago 1902.
- 531021 **Appell, P.** Traité de mécanique rationnelle. 4 vols.
Paris 1911-21
- 531021 **Barton, E. H.** Analytical mechanics. Lond. 1911.
- 531022 **Glazebrook, R. T.** Mechanics [and hydrostatics].
Camb. 1902.
- 531022 **Jeans, J. H.** Elementary treatise on theoretical
mechanics. Boston [Mass.] 1907.
- 531022 **Tait, P. G.** Dynamics. Lond. 1895.
- 531023 **Ball, Sir R. S.** Mechanics. Lond. 1893.
- 531023 **Emtage, W. T. A.** Elementary mechanics of solids.
Lond. 1900.
- 531023 **Lodge, Sir O. J.** Elementary mechanics, including
hydrostatics and pneumatics. Lond. 1919.
- 53104 **Maxwell, J. Clerk.** Matter and motion. Lond. 1920.
- 53104 **Silberstein, L.** Vectorial mechanics. Lond. 1913.
- 53107 **Ball, Sir R. S.** Experimental mechanics. Lond. 1906.

·5311 KINEMATICS.

- 5311 **Clifford, W. K.** Elements of dynamic. Pt. 1. Kine-
matic. 2 vols. Lond. 1878-87.
- 5311 **Poincaré, H.** Cinématique et mécanismes.
Paris 1899.

·5312 STATICS.

- 5312 **Lamb, H.** Statics, including hydrostatics.
Camb. 1912.
- 5312 **Loney, S. L.** An Elementary treatise on statics.
Camb. 1920.
- 5312 **Minchin, G. M.** Treatise on statics. 2 vols.
Oxf. 1915.
- 5312 **Routh, E. J.** Treatise on analytical statics. 2 vols.
Camb. 1908-09.

·53 PHYSICS

- 5312 **Todhunter, I.** Treatise on analytical statics.
Lond. 1887.
- 531209 **Duhem, P.** Les Origines de la statique. 2 vols.
Paris 1905-06.
- 53125 **Charnock, G. F.** Exercises on graphic statics. 3 vols.
Manch. [1909.]
- 53125 **Cremona, L.** Graphical statics. Oxf. 1890.

·5313 KINETICS [DYNAMICS].

- 5313 **Gray, A., and Gray, J. G.** A Treatise on dynamics,
with examples and exercises. Lond. 1911.
- 5313 **Greenhill, Sir G.** The Dynamics of mechanical flight.
Lond. 1912.
- 5313 **Hicks, W. M.** Elementary dynamics of particles and
solids. Lond. 1890.
- 5313 **Lamb, H.** Dynamics. Camb. 1914.
- 5313 — Higher mechanics. Camb. 1920.
- 5313 **Loney, S. L.** Elementary treatise on the dynamics of a
particle and of rigid bodies. Camb. 1919.
- 5313 **Love, A. E. H.** Treatise on principles of dynamics.
Camb. 1907.
- 5313 **Routh, E. J.** Treatise on dynamics of a particle.
Camb. 1898.
- 5313 **Tait, P. G., and Steele, W. J.** Dynamics of a particle.
Lond. 1878.
- 5313 **Webster, A. G.** Dynamics of particles and of rigid,
elastic, and fluid bodies. Leip. 1904.
- 5313 **Whittaker, E. T.** Treatise on analytical dynamics of
particles and rigid bodies. Camb. 1904.
- 5313 **Williamson, B., and Tarleton, F. A.** An Elementary
treatise on dynamics. Lond. 1900.
- 53134 **Appell, P.** Les Mouvements de roulement en dyna-
mique. [Paris] 1899.
- 53134 **Gray, A.** Treatise on gyrostatics and rotational
motion. Lond. 1918.

53 PHYSICS

- | | | | |
|--------|---------------------------|-----------------------------------------------------------|-------------|
| Λ | Pirie, G. | Lessons on rigid dynamics. | Lond. 1875. |
| ·53136 | Routh, E. J. | Dynamics of a system of rigid bodies.
Elementary part. | Lond. 1891. |
| ·53136 | —— — | Advanced part. | Lond. 1884. |
| ·53136 | Worthington, A. M. | Introduction to rigid dynamics. | Lond. 1892. |
| ·5315 | Cranz, C. | Lehrbuch der Ballistik. Vol. 1→ | Leip. 1910→ |
| ·53151 | Tarleton, F. A. | Mathematical theory of attraction. | Lond. 1899. |
| ·53161 | Ostwald, W. | L'Énergie. | Paris 1910. |

532 HYDROMECHANICS.

- | | |
|--------|------------------------------------------------------------------------------------------------|
| ·53202 | Besant, W. H., and Ramsey, A. S. Treatise on hydromechanics. 2 pts. Lond. 1911-13. |
| ·53202 | Wien, W. Lehrbuch der Hydrodynamik. Leip. 1900. |
| ·5321 | Greenhill, Sir G. Treatise on hydrostatics. Lond. 1894. |
| ·5321 | Minchin, G. M. Treatise on hydrostatics. 2 vols. Oxf. 1912. |
| ·5322 | Poincaré, H. Figures d'équilibre d'une masse fluide. Paris 1902. |
| ·5325 | Basset, A. B. Treatise on hydrodynamics. 2 vols. Camb. 1888. |
| ·5325 | Lamb, H. Hydrodynamics. Camb. 1906. |
| ·53259 | Hadamard, J. La Propagation des ondes et les équations de l'hydrodynamique. Paris 1903. |
| ·5326 | Poincaré, H. Capillarité. Paris 1895. |
| ·53272 | Findlay, A. Osmotic pressure. Lond. 1913. |
| ·5328 | Dunkerley, S. Hydraulics. 2 vols. Lond. 1907-08. |

533 PNEUMATICS.

- | | | | |
|-------|---------------------|-----------------------------------|--------------|
| 53323 | Décombe, L. | La Compressibilité des gaz réels. | Paris [1903] |
| 5336 | Bacon, J. M. | By land and sky. | Lond. 1900. |

·53 PHYSICS

- 5336 **Berget, A.** The Conquest of the air. Lond. 1911.
 ·5336 **Bryan, G. H.** Stability in aviation. Lond. 1911.
 ·5336 **Lanchester, F. W.** Aerodynamics. Lond. 1907.
 ·53365 **Wakden, S. L.** Stability of aeroplanes. Lond. 1913.
 ·5337 **Boltzmann, L.** La Théorie des gaz. 2 vols.
 Paris 1902-05.
 ·5337 **Jeans, J. H.** Dynamical theory of gases. Camb. 1921.
 ·5337 **Meyer, O. E.** Kinetic theory of gases. Lond. 1899.
 ·5337 **Pedersen, F. M.** Internal friction of gases.
 New York 1899.

·534 SOUND.

- 53402 **Barton, E. H.** Text-book on sound. Lond. 1908.
 ·53402 **Everett, J. D.** Text-book of sound and light. (Des-
 chanel's Natural philosophy.) Lond.
 ·53402 **Stone, W. H.** Elementary lessons on sound.
 Lond. 1908.
 ·5341 **Lamb, H.** Dynamical theory of sound. Lond. 1910.
 ·5341 **Rayleigh, J. W. Strutt, 3rd baron.** Theory of sound.
 2 vols. Lond. 1894-96.
R.R. **Thomson, D.** Acoustics. In Encycl. Brit., 9th ed.,
 vol. i. Edin. 1875.
 ·78122 **Dunk, J. L.** Hyperacoustics. Div. 1→ Lond. 1916→
 ·5343 **Helmholtz, H. L. F. von.** On the sensations of tone.
 2 vols. Lond. 1885.
 ·7801 **Watt, H. J.** The Foundations of music. Camb. 1919.
 ·1522 — The Psychology of sound. Camb. 1917.

·535 LIGHT.

- 53502 **Edser, E.** Light, for students. Lond. 1919.
 ·53502 **Glazebrook, R. T.** Light, an elementary text-book.
 Camb. 1902.
 ·53502 **Mascart, E.** Traité d'optique. 4 vols. Paris 1889-94.
 ·53504 **Hastings, C. S.** Light, a consideration of the more
 familiar phenomena of optics. New York 1902.

·53 PHYSICS

- 53504 **Stokes, Sir G. G.** Burnett lectures on light.
Lond. 1887.
- 53507 **Mann, C. R.** Manual of advanced optics.
Chicago 1902.
- 53507 **Thompson, S. P.** Light visible and invisible.
Lond. 1897.
- 535 : 5515 **Pernter, J. M., and Exner, F. M.** Meteorologische
Optik. Wien 1910.

·5351 THEORIES.

- 5351 **Drude, P.** Theory of optics. Lond. 1902.
- 5351 **Maclaurin, R. C.** Theory of light. Vol. 1→
Camb. 1908→
- 5351 **Poincaré, H.** Leçons sur la théorie mathématique de
la lumière. 2 vols. Paris 1889-92.
- 5351 **Preston, T.** Theory of light. Lond. 1912.
- 5351 **Schuster, A.** Theory of optics. Lond. 1904.
- 5351 **Walker, J.** Analytical theory of light. Camb. 1904.
- 5352 **Michelson, A. A.** Light waves and their uses.
Chicago 1903.
- 535213 **Rigollot, H.** Recherches expérimentales sur quelques
actinomètres. Paris 1897.
- 53522 **Décombe, L.** La Célérité des ébranlements de l'éther.
[Paris] 1900.

·5353 GEOMETRICAL OPTICS.

- Λ^2 **Gregory, D.** [*M.A., Mar. Coll., 1675*]. Catoptricæ et
dioptricæ sphericæ elementa. Edin. 1713.
- Λ^2 **Gregory, J.** [*M.A., Mar. Coll., 1657*]. Optica promota.
Lond. 1663.
- 53531 **Herman, R. A.** Treatise on geometrical optics.
Camb. 1900.
- 53531 **Southall, J. P. C.** Mirrors, prisms, and lenses.
New York 1918.
- 535324 **Chéveneau, C.** Les Propriétés optiques des solutions.
Paris 1913.

·53 PHYSICS

- 53533 **Cotton, A., and Moulin, H.** *Les Ultramicroscopes.*
Paris 1906.
- 53537 **Nichols, E. L., and Howes, H. L.** *Fluorescence of the
uranyl salts.* Wash. 1919.
- 53537 **Nichols, E. L., and Merritt, E.** *Studies in luminescence.*
Wash. 1912.
- 53538 **Sheppard, S. E.** *Photo-chemistry.* Lond. 1914.

·5354 PHYSICAL OPTICS.

- 5354 **Basset, A. B.** *Treatise on physical optics.*
Camb. 1892.
- 5354 **Glazebrook, R. T.** *Physical optics.* Lond. 1914.
- 5354 **Maclaurin, R. C.** *Light.* New York 1909.
- 5354 **Wood, R. W.** *Physical optics.* New York 1905.
- 5354I **Barus, C.** *Displacement interferometry.* Wash. 1919.
- 5354I ——— *Interferometry of reversed and non-reversed spectra.*
Pt. 1→ Wash. 1916→
- 5354I ——— *Production of elliptic interferences.* Pt. 1→
Wash. 1911→
- 5354I **Macé de Lépinay, J.** *Franges d'interférence.*
[Paris] 1902.
- 5354II **Barus, C.** *Displacement interferometer.* Wash. 1915.
- 5356 **Abney, W. de W.** *Researches in colour vision.*
Lond. 1913.

·5357 PHYSIOLOGICAL OPTICS.

- 5357 **Helmholtz, H. L. F. von.** *Handbuch der physio-
logischen Optik.* Hamb. 1896.

·5358 APPLICATIONS.

- 5358 **Steinheil, A., and Voit, E.** *Applied optics.* Vol. 1→
Lond. 1918→
- 5358 **Whittaker, E. J.** *Theory of optical instruments.*
Camb. 1907.
- 5358 **Zeiss, C.** *Die Theorie der optischen Instrumente.*
Berl. 1904.

·53 PHYSICS

- 5358I **Leathem, J. G.** Theory of the symmetrical optical instrument. Camb. 1908.
- 53584 **Zeeman, P.** Researches in magneto-optics. Lond. 1913.
- 53585 **Lummer, O.** Contribution to photographic optics. Lond. 1900.
- 53589 **Houstoun, R. A.** Studies in light production. Lond. [1912].

·536 HEAT.

- 53602 **Edser, E.** Heat for advanced students. Lond. 1899.
- 53602 **Everett, J. D.** Heat. (Deschanel's Natural philosophy, pt. 2.) Lond. [1902].
- 53602 **Glazebrook, R. T.** Heat. Camb. 1902.
- 53602 **Jones, D. E.** Lessons in heat and light. Lond. 1892.

·536I THEORIES.

- 536I **Fourier, J. B. J., baron.** Analytical theory of heat. Camb. 1878.
- 536I **Ingersoll, L. R., and Zobel, O. J.** Theory of heat conduction. Boston [Mass. 1913].
- 536I **Maxwell, J. Clerk.** Theory of heat. Lond. 1871.
- 536I **Poincaré, H.** Théorie analytique de la propagation de la chaleur. Paris 1895.
- 536I **Preston, T.** Theory of heat. Lond. 1919.
- 53633 **Planck, M.** Vorlesungen über die Theorie der Wärmestrahlungen. Leip. 1906.
- 53643 **Raoult, F. M.** Cryoscopie. [Paris] 1901.
- 53644 **Mathiàs, E.** Le Point critique des corps purs. Paris 1904.

·5365 TEMPERATURE.

- 5365I **Bolton, H. C.** Evolution of the thermometer. Easton, Pa. 1900.
- 5365II **Day, A. L., and Sosman, R. B.** High temperature gas thermometry. Wash. 1911.

·53 PHYSICS

·5367 THERMODYNAMICS.

- 5367 **Blondlot, R.** Introduction à l'étude de la thermodynamique. Paris 1909.
- 5367 **Bryan, G. H.** Thermodynamics, an introductory treatise. Leip. 1907.
- 5367 **Duhem, P.** Traité d'énergétique ou de thermodynamique générale. 2 vols. Paris 1911.
- 5367 **Lippmann, G.** Thermodynamique. Paris 1905.
- 5367 **Mills, J.** Introduction to thermodynamics. Boston [Mass. 1910].
- 5367 **Planck, M.** Treatise on thermodynamics. Lond. 1903.
- 5367 **Poincaré, H.** Thermodynamique. Paris 1892.
- 5367 **Waals, J. D. van der.** Lehrbuch der Thermodynamik. 2 vols. Leip. 1908-12.
- 536709 **Tait, P. G.** Sketch of thermodynamics. Edin. 1877.
- 53671 **Gibbs, J. W.** Diagrammes et surfaces thermodynamiques. [Paris] 1903.
- 536762 ——— Statistical mechanics with reference to rational foundations of thermodynamics. New York 1902.

·537 ELECTRICITY.

- 537021 **Duhem, P.** Leçons sur l'électricité et le magnetisme. 3 vols. Paris 1891-92.
- 537021 **Gray, A.** Treatise on magnetism and electricity. Vol. 1. Lond. 1898.
- 537021 **Maxwell, J. Clerk.** Treatise on electricity and magnetism. 2 vols. Oxf. 1873.
- 537022 **Everett, J. D.** Electricity (Deschanel's Natural philosophy, part 3). Lond. [1907].
- 537022 **Hadley, H. E.** Magnetism and electricity for students. Lond. 1909.
- 537022 **Bain, A.** Electricity. Edin. 1848.
- 537023 **Foster, G. C., and Porter, A. W.** Elementary treatise on electricity and magnetism. Lond. 1903.
- 537023 **Glazebrook, R. T.** Electricity and magnetism. Camb. 1903.

·53 PHYSICS

- 537023 **Jamieson, A.** Elementary manual of magnetism and electricity. Lond. 1900.
- 537023 **Thompson, S. P.** Elementary lessons in electricity and magnetism. Lond. 1919.
- 53704 **Sanford, F.** A Physical theory of electrification. Stanford, Cal. 1911.
- 53704 **Thomson, Sir J. J.** Recent researches in electricity and magnetism. Oxf. 1893.
- 53704 **Trowbridge, J.** What is electricity? Lond. 1897.
- 53705 J.T. **Jahrbuch der drahtlosen Telegraphie und Telephonie.** Vol. 1→ Leip. 1908→
- 53705 **Year-book of wireless telegraphy and telephony.** Y.W. 1913→ Lond. [1915→]
- 53705 L.E. **Lumière électrique, La.** Vols. 1-51. Paris 1879-94.
- 53705 L.E. — Ser. II., vol. 9→ Paris 1910→
- 537:535 **Allen, H. S.** Photo-electricity. Lond. 1913.

·537I THEORIES.

- 537I **Abraham, H., and Langevin, P.** Les Quantités élémentaires de l'électricité —ions, electrons, corpuscles. Paris 1905.
- 537I **Abraham, M.** Theorie der Electrizarität. 2 vols. Leip. 1904-05.
- 537I **Ariès, E.** L'Électricité considérée comme forme de l'énergie. Pt. 1→ Paris 1909→
- 537I **Campbell, N. R.** Modern electrical theory. Camb. 1907.
- 537I **Carvallo, E.** L'Électricité déduite de l'expérience. [Paris] 1902.
- 537I **De Tunzelmann, G. W.** Treatise on electrical theory. Lond. 1910.
- 537I **Duhem, P.** Les Théories électriques de Clerk Maxwell. Paris 1902.
- 537I **Jeans, J. H.** Mathematical theory of electricity and magnetism. Camb. 1920.
- 537I **Lodge, Sir O. J.** Electrons. Lond. 1906.

·53 PHYSICS

- 537¹ **Lorentz, H. A.** Theory of electrons. Leip. 1909.
- 537¹ **Poincaré, H.** Électricité et optique. Paris 1901.
- 537¹ **Richarz, F.** Anfangsgründe der Maxwellschen Theorie.
Leip. 1909.
- 537¹ **Thomson, Sir J. J.** Electricity and matter.
Westm. 1904.
- 537¹ ——— Elements of the mathematical theory of electricity
and magnetism. Camb. 1921.
- 537¹ **Whetham, W. C. D.** Theory of experimental electricity.
Camb. 1905.

·5373 GALVANIC ELECTRICITY.

- 5373¹ **Brillouin, M.** Propagation de l'électricité. Paris 1904.
- 53733 **Hollard, A.** La Théorie des ions et de l'électrolyse.
Paris 1900.
- 53733 **Townsend, J. S.** Theory of ionization of gases by
collision. Lond. 1911.
- 53733 **Whetham, W. C. D.** Theory of solution, including
electrolysis. Camb. 1902.
- 53733² **Arrhenius, S. A.** Text-book of electro-chemistry.
Lond. 1904.
- 5374 **Mache, H., and Schweidler, E. R. von.** Die Atmos-
phärische Electrizität. Braunsch. 1909.
- 5375¹³ **Noyes, A. A.** Electrical conductivity of aqueous solu-
tions. Wash. 1907.
- 53753 **McClung, R. K.** Conduction of electricity through
gases. Lond. 1910.
- 53753 **Thomson, Sir J. J.** Conduction of electricity through
gases. Camb. 1903.
- 53753 ——— Discharge of electricity through gases. Lond. 1898.
- 53753 **Townsend, J. S.** Electricity in gases. Oxf. 1915.

·5377 ELECTRIC UNITS.

- 5377² **Gray, A.** Absolute measurements in electricity and
magnetism. 2 vols. Lond. 1888-93.
- 53773² **Richards, T. W., and Behr, G. E.** Electromotive force
of iron. Wash. 1906.

·53 PHYSICS

- 537733 **Price, W. A.** Measurement of electrical resistance.
Oxf. 1894.

·5378 APPLICATIONS.

- 5378 **Davidge, H. T., and Hutchinson, R. W.** Technical electricity. Lond. 1907.
- 5378 **Maclean, M.** Modern electric practice. Lond. 1904-05.
- 5378 **Starke, H.** Experimentelle Electrizitätslehre.
Leip. 1910.
- 5378₁ **Fleming, J. A.** Propagation of electric currents in telephone and telegraph conductors. Lond. 1911.
- 5378₁ **Turpain, A.** Notions fondamentales sur la télégraphie.
Grenoble 1910.
- 5378₂ **Ruhmer, E.** Wireless telephony. Lond. 1908.
- 5378₂ **Turpain, A.** Téléphonie. Grenoble 1910.
- 5378₂ **Webb, H. L.** Development of the telephone in Europe.
Lond. [1910]
- 5378₄₂ **Dolezalek, F.** Theory of the lead accumulator.
New York 1904.
- 5378₅ **Watt, A.** Electro-plating. Lond. 1902.
- 53788 **Eichhorn, G.** Wireless telegraphy. Lond. 1906.
- 53788 **Fahie, J. J.** History of wireless telegraphy.
Edin. 1900.
- 53788 **Fleming, J. A.** Electric wave telegraphy and telephony.
Lond. 1910.
- 53788 — The Thermionic valve and its developments in radiotelegraphy and telephony. Lond. 1919.
- 53788 **Lodge, Sir O. J.** Signalling across space without wires.
Lond. [1900].
- 53788 **Ohlsberg, O.** Handbuch für Funkentelegraphisten.
Berl. 1911.
- 53788 **Poincaré, H.** Conférences sur la télégraphie sans fil.
Paris 1909.
- 53788 — Maxwell's theory and wireless telegraphy.
Lond. 1904.

·53 PHYSICS

- 53788 **Righi, A., and Dessau, B.** Die Telegraphie ohne Draht. Braunsch. 1903.
- 53788 **Sewall, C. H.** Wireless telegraphy. Lond. 1904.
- 53788 **Stanley, R.** Text-book of wireless telegraphy. 2 vols. Lond. 1919.
- 53788 **Valbreuze, R. de.** Notions générales sur la télégraphie sans fil. Paris 1907.
- 53788 **Zenneck, J.** Précis de télégraphie sans fil. Paris 1911.

·538 MAGNETISM.

- 5382 **Maurain, C.** Le Magnetisme du fer. [Paris 1892].
- 53826 **Du Bois, H.** The Magnetic circuit in theory and practice. Lond. 1896.

·5383 ELECTRO MAGNETISM.

- 5383 **Heaviside, O.** Electro-magnetic theory. 3 vols. Lond. 1893-1912.
- p ·5383 **Ørsted, H. C.** La Découverte de l'électromagnétisme faite en 1820 par J. C. Ørsted. Copenh. 1920.
- 5383 **Righi, A.** I Fenomeni elettro-atomici sotto l'azione del magnetismo. Bologna.
- 5383 **Schott, G. A.** Electro-magnetic radiation. Camb. 1912.
- 5383 **Walker, G. T.** Outlines of the theory of electro-magnetism. Camb. 1910.
- 53833 **Thompson, S. P.** The Electro-magnet. Lond. 1891.
- 53855 **Barbillion, L.** Production et emploi des courants alternatifs. [Paris] 1901.
- 53855 **Fleming, J. A.** The Alternate current transformer. 2 vols. Lond. 1890-91.
- 53855 **Maycock, W. P.** The Alternating-current circuit. Lond. 1897.
- 53855 **Russell, A.** Theory of alternating currents. 2 vols. Camb. 1904-06.
- 53855 **Tesla, N.** Experiments with alternate currents. New York 1892.

·53 PHYSICS

- 538552 **Thompson, S. P.** Polyphase electric currents. Lond. 1900.
- 53856 **Hertz, H.** Electric waves. Lond. 1893.
- 53856 **Macdonald, H. M.** Electric waves. Camb. 1902.
- 53856 **Poincaré, H.** Les Oscillations électriques. Paris 1894.
- 53856 ——— La Théorie de Maxwell et les oscillations Hertz-
iennes. [Paris] 1904.
- 53856 **Zenneck, J.** Les Oscillations électro-magnétiques.
2 vols. Paris 1905.
- 5386 **Cotton, A.** Le Phénomène de Zeeman. [Paris] 1899.
- 5386 **Voigt, W.** Magneto- und Elektro-optik. Leip. 1908.

·5387 TERRESTRIAL MAGNETISM.

- 5387 **Chree, C.** Studies in terrestrial magnetism. Lond. 1912.

·539 MOLECULAR PHYSICS.

- 539I **Alden, J. S.** Theory of the structure of matter.
Passaic, N.J. 1896.
- 539I **Comstock, D. F., and Troland, L. T.** The Nature of
matter and electricity: an outline of modern views.
New York 1919.
- 539I **Edser, E.** General physics for students: a text-book
on the fundamental properties of matter.
Lond. 1913.
- 539I **Kelvin, Sir W. Thomson, 1st baron.** Molecular dyna-
mics. Lond. 1901.
- 539I **Risteen, A. D.** Molecular theory of matter.
Boston [Mass.] 1896.
- 539I **Soddy, F.** Matter and energy. Lond. [1912].
- 539I **Stark, J.** Prinzipien der Atomdynamik. 2 vols.
Leip. 1910-11.
- 539I **Thomson, Sir J. J.** Corpuscular theory of matter.
Lond. 1907.
- 539I2 **Poincaré, H.** Théorie des tourbillons. Paris 1893.

·53 PHYSICS

·5393 ELASTICITY.

- 5393 **Cosserat, E., and F.** Théorie des corps déformables.
Paris 1909.
- 5393 **Love, A. E. H.** Treatise on the mathematical theory of
elasticity. Camb. 1920.
- 5393 **Mathieu, E.** Théorie de l'élasticité des corps solides.
2 pts. Paris 1890.
- In* ·5367 **Poincaré, H.** Leçons sur la théorie de l'élasticité.
Paris 1892.
- 5393 **Todhunter, I.** History of the theory of elasticity.
2 vols. Camb. 1886-93.

•54 CHEMISTRY.

[See also '63:54 AGRICULTURAL CHEMISTRY.
'66 CHEMICAL TECHNOLOGY.]

- *5401 **Arrhenius, S.** Theories of chemistry. Lond. 1907.
- *5401 **Caven, R. M.** The Foundations of chemical theory. Lond. 1920.
- *5401 **Dobbin, L. and Walker, J.** Chemical theory for beginners. Lond. 1892.
- *5401 **Duhem, P.** Le Mixte et la combinaison chimique. Paris 1902.
- *5401 **Masson, O.** Classification of the chemical elements. Lond. [1896].
- *5401 **Meldrum, A. N.** Avogadro and Dalton, the standing in chemistry of their hypotheses. Abd. 1904.
- *5401 **Rudorf, G.** Das Periodische System, seine Geschichte und Bedeutung für die chemische Systematik. Hamb. 1904.
- *54014:43 **Phillips, F. C.** Chemical German. Easton, Pa. 1915.
- *5402 **Attfield, J.** Chemistry, general, medical and pharmaceutical. Lond. 1903.
- *5402 **Fenton, H. J. H.** Outlines of chemistry. Vol. 1→ Camb. 1910→.
- *5402 **Garçon, J.** Traité général des applications de la chimie. Vol. 1→ Paris 1901→.
- *5402 **Kahlenberg, L.** Outlines of chemistry. New York 1909.
- *5402 **Lassar-Cohn, .** Introduction to scientific chemistry. Lond. 1903.

·54 CHEMISTRY

- 5402 **Molinari, E.** General and industrial inorganic chemistry. Lond. 1912.
- 5402 ——— General and industrial organic chemistry. Lond. 1913.
- 5402 **Otto, F. J.** Graham-Otto's Ausführliches Lehrbuch der Chemie. 5 vols. Braunsch. 1878-98.
- 5402 **Roscoe, Sir H. E. and Schorlemmer, C.** Treatise on chemistry. Vol. 1→ Lond. 1905→
- 5402 ——— ——— Vol. 1→ Lond. 1911→
- 5403 **Fehling, H.** Neues Handwörterbuch der Chemie. 7 vols. Braunsch. 1874-1905.
- 5403 **Kingzett, C. T.** Popular chemical dictionary. Lond. 1920.
- Ref.* ·5403 **Ladenburg, A.** Handwörterbuch der Chemie. 13 vols. and index. Breslau 1882-96.
- Ref.* ·5403 **Watts, H.** Dictionary of chemistry. 4 vols. Lond. 1888-94.
- 5404 **Findlay, A.** Chemistry in the service of man. Lond. 1917.
- 5404 **Job, A.** La Méthode en chimie. Paris.
- 5404 **Philip, J. C.** Romance of modern chemistry. Lond. 1910.
- 5404 **Stewart, A. W.** Recent advances in physical and inorganic chemistry. Lond. 1919.

·5405 PERIODICALS.

- 5405 A.C. **American chemical journal.** Vols. 1-50. Baltimore [1880-1914].
- 5405 An.C. **Annales de chimie [et de physique,** 1824-1913]. [Ser. I]→ Paris 1789→
- 5405 C.A. **Chemical abstracts.** Vol. 14→ Easton, Pa. 1920→
- 5405 C.N. **Chemical news.** Vol. 1→ Lond. 1860→
- 5405 C.Z. **Chemisches Zentralblatt.** 1900→ Berl. 1900→
- 5405 E.Z. **Elektrochemische Zeitschrift.** Vols. 10-12. Berl. [1904-06].

54 CHEMISTRY

- 5405 H.C. **Helvetica chimica acta.** Vol. 1→ Basileae 1918→
 5405 J.C. **Jahrbuch der Chemie.** Vols. 1-9.
 Frankfurt a. M., Braunsch. 1892-1900.
 5405 J.F. **Jahresbericht über die Fortschritte der Chemie.**
 1847→ Giessen, Braunsch. 1849→
 5405 J.PR. **Journal für praktische Chemie.** Vol. 1→
 Leip. 1834→
 5405 J.P. **Journal of physical chemistry.** Vol. 14→
 Ithaca, N.Y. 1910→
 5405 L.A. **Justus Liebig's Annalen der Chemie.** [*Begun as*
 Annalen der Pharmacie.] Vol. 1→
 Lemgo, Leip. 1832→
 5405 R.R. **Radio review, The.** Vol. 1→ 1920→
 5405 R. **Radium, Le.** Vol. 3→ Paris [1906]→
 5405 R.A. **Review of American chemical research.** Vols. 3-12.
 Easton, Pa. 1897-1906.
 5405 T.A. **Tables annuelles de constantes, etc.** Vol. 1→
 Paris 1912→
 5405 Z.A. **Zeitschrift für anorganische (und allgemeine)**
 Chemie. Vol. 1→ Hamb., Leip. 1892→
 5405 Z.E. **Zeitschrift für Elektrochemie.** Vol. 1→
 Halle [1895]→
 5405 Z.P. **Zeitschrift für physikalische Chemie.** Vol. 1→
 Leip. 1887→

5406 SOCIETIES.

- 5406 A. **Society of public analysts.** The Analyst. Vol.
 17-20, 23→ Lond. [1892]→
 5406 C.J. **Chemical society.** Journal. Vol. 1→ Lond. 1849→
 5406 C.M. ——— **Memoirs and proc.** 3 vols. Lond. 1843-48.
 5406 C.P. ——— **Proc.** Vol. 1→ Lond. 1885→
 5406 C.R. ——— **Reports on progress of chemistry.** Vol. 1→
 Lond. 1905→
 5406 F.P. **Faraday society.** Proc. Vol. 1→ Lond. [1906]→
 5406 F.T. ——— **Trans.** Vol. 1→ Lond. [1906]→
 5406 I.C. **Institute of chemistry of Great Britain and Ire-**
 land. Proc. 1902-19. Lond. 1902-19.

54 CHEMISTRY

- 5406 I.C. **Institute of chemistry of Great Britain and Ireland.** Journal and proc. 1920→ Lond. 1920→
- 5406 I.C. — Official chemical appointments. 1→
Lond. 1906→
- 5406 I.C.P. — History. By R. P. Pilcher. Lond. 1914.
- 5406(43) **Deutsche chemische Gesellschaft.** Berichte. Vol. 1→
Berl. 1868→
- 5406(43) V.L. **Verband der Laboratoriums-Vorstände an deutschen Hochschulen.** Berichte. Heft 1→
Leip. 1898→
- 063 **Akademie der Wissenschaften** [zu Wien]: Math.-naturw. Klasse. Sitzungsberichte. Abth. II. (Physik, Chemie, etc.). Vols. 43-96. Wien 1861-88.
- 5406(436) — — Abt. IIb. (Chemie). Vol. 97→
Wien 1889→
- 5406(44) **Société chimique de France.**
S.C. Société chimique de Paris. Bulletin. Sér. 3. Vols. 13-18. Paris 1895-97.
Société chimique de France. Bulletin. Sér. 4. Vol. 1→ Paris 1907→
- 5406(485) **Svenska vetenskaps-akademien, K.** Arkiv för kemi, mineralogi, och geologi. Vol. 1→
Stockh. 1904→
- 5406(7) C.J. **American chemical society.** Journal. Vol. 1→
New York, Easton, Pa. 1879→
- 5406(7) C.P. — Proc. 1876/78, 1899-1902, 1906→
New York, Easton, Pa. 1878→

5407 METHODS OF STUDY.

- 5407 **Freund, I.** The Experimental basis of chemistry.
Camb. 1920
- 5407 **Newth, G. S.** Chemical lecture experiments.
Lond. 1910.
- 5407 **Ostwald, W.** Conversations on chemistry. Pt. 1→
New York 1905→

·54 CHEMISTRY

- 5407 **Smith, A., and Hall, E. H.** Teaching of chemistry
:5307 and physics in the secondary school. New York 1902.
- 54072(774) **Campbell, E. D.** History of the Chemical laboratory
of the University of Michigan, 1856-1916. Ann Arbor 1916.

·5408 COLLECTIVE WORKS.

- 54081 **Baeyer, A. von.** Gesammelte Werke. 2 vols. Braunsch. 1905.
- 54081 **Japp, F. R.** [Scientific papers, 1879-1905].
- 54082 **ALEMBIC CLUB REPRINTS.** No. 1→ Edin. 1893→
- 54082 **Kahlbaum, G. W. A.** Monographien aus der Geschichte
der Chemie. Hrsg. G. W. A. K. Pt. 1→ Leip. 1897→
- 54082 **OSWALD'S KLASSIKER.** No. 1→ Leip. 1889→
- 540821 **MONOGRAPHS ON INORGANIC AND PHYSICAL CHEMISTRY.**
Mon. Lond. 1911→
1. **Soddy, F.** Chemistry of the radio-elements. 2 pts. 1911-14.
 - 1². ——— Pt. 1→ 1914→
 2. **Price, T. S.** Per-acids and their salts. 1912.
 - 3². **Findlay, A.** Osmotic pressure. 1919.
 4. **Desch, C. H.** Intermetallic compounds. 1914.
 5. **Dunstan, A. E. and Thole, F. B.** The Viscosity of liquids. 1914.
 6. **Turner, W. E. S.** Molecular association. 1915.
 7. **Le Bas, G.** Molecular volumes of liquid chemical compounds. 1915.
 8. **Spencer, J. F.** Metals of the rare earths. 1919.
 9. **Fry, H. S.** The Electronic conception of valence and the constitution of benzene. 1921.

·5409 HISTORY.

- 5409 **Armitage, F. P.** History of chemistry. Lond. 1906.
- 5409 **Kopp, H.** Die Alchemie in älterer und neuerer Zeit.
2 vols. Heidelb. 1886.
- 5409 ——— Beiträge zur Geschichte der Chemie. 2 pts. Braunsch. 1869-75.

54 CHEMISTRY

- *5409 **Kopp, H.** Die Entwicklung der Chemie in der neueren Zeit. München, 1873.
- *5409 ——— Geschichte der Chemie. 4 vols. Braunsch. 1843-47.
- *5409 **Ladenburg, A.** Lectures on the history of the development of chemistry. Edin. 1900.
- *5409 **Lippmann, E. O. von.** Entstehung und Ausbreitung der Alchemie. Berl. 1919.
- *5409 **Lowry, T. M.** Historical introduction to chemistry. Lond. 1915.
- *5409 **Meyer, E. von.** History of chemistry. Lond. 1891.
- *5409 **Muir, M. M. P.** Story of alchemy. Lond. 1902.
- *5409 **Ramsay, Sir W.** Gases of atmosphere—history of their discovery. Lond. 1905.
- *5409 **Thorpe, Sir T. E.** Essays in historical chemistry. Lond. 1894.
- *5409 **Tilden, W. A.** Short history of scientific chemistry in our own times. Lond. 1899.
- *5409 **Wurtz, A.** History of chemical theory. Lond. 1869.
- *5409 : 54 **Royal Society.** International catalogue of scientific literature. Chemistry. [1901→] Lond. 1902→
- *54092 **[Guye, P. A.].** Notice biographique sur Humphry Davy. Genève 1907.
- *54092 **Harrow, B.** Eminent chemists. Lond. 1921.
- *54092 **Priestley, J.** Scientific correspondence. New York 1892.
- *54092 **Roscoe, Sir H. E.** John Dalton. Lond. 1895.
- *54092 ——— Life and experiences. Lond. 1906.
- *54092 **Shenstone, W. A.** Justus von Liebig, his life and work (1803-1873). Lond. 1895.
- *54092 **Thorpe, Sir T. E.** Humphry Davy. Lond. 1896.
- *54092 ——— Sir Henry Enfield Roscoe. Lond. 1916.
- *54092 **Tilden, Sir W. A.** Famous chemists. Lond. 1921.
- *54092 ——— Sir William Ramsay. Lond. 1918.

·54 CHEMISTRY

- 54092 **Vallery-Radot, R.** Life of Pasteur. 2 vols.
Lond. 1911.
- 54:51 **Mellor, J. W.** Higher mathematics for students of
chemistry and physics. Lond. 1905.
- 54:58 **Ritsema, I. C. and Sack, J.** Index phytochemicus.
Amst. 1905.

·541 PHYSICAL CHEMISTRY.

- 541 **Bigelow, S. L.** Theoretical and physical chemistry.
New York 1919.
- 541 **Cohen, E.** Physical chemistry. Lond. 1903.
- 541 **Deventer, C. M. van.** Physical chemistry for be-
ginners. Lond. [1898].
- 541 **Ewell, A. W.** Text-book of physical chemistry.
Lond. 1910.
- 541 **Findlay, A.** Physical chemistry and its applications.
Lond. 1905.
- 541 ——— Practical physical chemistry. Lond. 1914.
- 541 **Freund, I.** Study of chemical composition.
Camb. 1904.
- 541 **Getman, F. H.** Outlines of theoretical chemistry.
New York 1918.
- 541 **Gray, F. W.** Manual of practical physical chemistry.
Lond. 1914.
- 541 **Hoff, J. H. van't.** Lectures on theoretical and physical
chemistry. 3 vols. Lond. [1898-99].
- 541 ——— Ozeanische Salzablagerungen, etc. Leip. 1912
- 541 ——— Physical chemistry in the service of the sciences
Chicago 1903.
- 541 **Jones, H. C.** Elements of physical chemistry.
New York 1903.
- 541 **Küster, F. W. and Thiel, A.** Lehrbuch der allge-
meinen, physikalischen und theoretischen Chemie.
Vol. 1→ Heidelb. 1913→
- 541 **Lewis, W. C. M.** System of physical chemistry. 3
vols. Lond. 1918-19.

·54 CHEMISTRY

- 54I **Ley, H.** Die Beziehungen zwischen Farbe und Konstitution bei organischen Verbindungen. Leip. 1911.
- 54I **Nernst, W.** Theoretical chemistry. Lond. 1916.
- 54I **Ostwald, W.** Grundriss der allgemeinen Chemie. Leip. 1899.
- 54I ——— Lehrbuch der allgemeinen Chemie. Vol. 1→
Leip. 1910→
- 54I ——— Solutions. Lond. 1891.
- 54I **Philip, 'J. C.** Physical chemistry. Lond. 1913.
- 54I **Prideaux, E. B. R.** Theory and use of indicators. Lond. 1917.
- 54I **Pring, J. N.** Laboratory exercises in physical chemistry. Manch. 1911.
- 54I **Roth, W. A.** Exercises in physical chemistry. Lond. 1909.
- 54I **Traube, J.** Physico-chemical methods. Philad. 1898.
- 54I **Walker, J.** Introduction to physical chemistry. Lond. 1899.
- 54I **Wurtz, A.** Introduction à l'étude de la chimie. Paris 1885.
- 54IO4 **Richards, T. W., and Forbes, G. S.** Energy changes involved in the dilution of zinc and cadmium amalgams. Wash. 1906.

·54III THERMO-CHEMISTRY.

- 54III **Berthelot, M.** Traité pratique de calorimétrie chimique. Paris [1893].
- 54III **Duhem, P.** Thermodynamics and chemistry. New York 1903.
- 54III **Haber, F.** Thermodynamics of technical gas-reactions. Lond. 1908.
- 54III **Kremann, R.** Ueber die Anwendung der thermischen Analyse. Stuttg. 1909.
- 54III **Laar, J. J. van.** Sechs Vorträge über das thermodynamische Potential. Braunsch. 1906.
- 54III ——— Die Thermodynamik in der Chemie. Amst. 1893.

·54 CHEMISTRY.

- 54III **Muir, M. M. P., and Wilson, D. M.** Elements of thermal chemistry. Lond. 1885.
- 54III **Nernst, W.** Experimental and theoretical applications of thermodynamics to chemistry. New York 1907.
- 54III **Thomsen, J.** Thermochemistry. Lond. 1908.
- 54III **Waals, J. D. van der.** Lehrbuch der Thermodynamik. Bearbeitet von P. Kohnstamm. 2 vols. Leip. [1908]-12.

·54II2 MECHANICAL CHEMISTRY.

- 54II2 **Clibbens, D. A.** The Principles of the phase theory. Lond. 1920.
- 54II2 **Findlay, A.** Phase rule and its applications. With Introd. to study of physical chemistry by Sir W. Ramsay. Lond. 1904.
- 54II2 **Herz, W.** Der Verteilungssatz. Stuttg. 1909.
- 54II2 **Hoff, J. H. van't, and Cohen, E.** Studies in chemical dynamics. Amst. 1896.
- 54II2 **Mellor, J. W.** Chemical statics and dynamics. Lond. 1904.
- 54II2 **Michaelis, L.** The Dynamics of surfaces. Lond. 1914.
- 54II2 **Rideal, E. K., and Taylor, H. S.** Catalysis in theory and practice. Lond. 1919.
- 54II2 **Willows, R. S., and Hatschek, E.** Surface tension and surface energy. Lond. 1919.
- 54II2 **Sabatier, P.** La Catalyse en chimie organique. Paris 1913.
- 547

·54II3 ELECTRO-CHEMISTRY.

- 54II3 **Allmand, A. J.** Principles of applied electrochemistry. Lond. 1912.
- 54II3 **Arrhenius, S.** Text-book of electrochemistry. Lond. 1902.
- 54II3 **Carrara, G.** Elektrochemie der nichtwässrigen Lösungen. Stuttg. 1908.
- 54II3 **Jahn, H.** Grundriss der Elektrochemie. Wien 1895.

54 CHEMISTRY

- 54113 **Jones, H. C.** Electrical conductivity of salts and organic acids. Wash. 1912.
- 54113 **Jones, H. C., and others.** Conductivities and viscosities in pure and in mixed solvents. Wash. 1915.
- 54113 ——— Conductivity and viscosity in mixed solvents. Wash. 1907.
- 54113 **Laar, J. J. van.** Lehrbuch der theoretischen Elektrochemie auf thermodynamischer Grundlage. Leip. 1907.
- 54113 **Le Blanc, M.** Lehrbuch der Elektrochemie. Leip. 1903.
- 54113 **Lehfeldt, R. A.** Electro-chemistry. Pt. 1→ Lond. 1904→
- 54113 **Lorenz, R., and Kaufler, F.** Elektrochemie geschmolzener Salze. Leip. 1909.
- 54113 **Lüpke, R.** Grundzüge der Elektrochemie. Berl. 1903.
- 54113 **Minet, A.** L'Electro-chimie. Paris [1898].
- 54113 **Ostwald, W.** Elektrochemie. Leip. 1896.
- 54113 **Perkin, F. M.** Methods of electro-chemistry. Lond. 1905.
- 54113 **Richards, T. W.** Electrochemical investigation of liquid amalgams of thallium, etc. Wash. 1909.
- 54113 **Smith, E. F.** Electro-analysis. Lond. 1912.
- 5411306(73) **American electrochemical society.** Trans. Vol. 14→ South Bethlehem, Pa. 1908→

54114 COLLOID CHEMISTRY.

- 54114 **Bancroft, W. D.** Applied colloid chemistry. New York 1921.
- 54114 **Freundlich, H.** Kapillarchemie: eine Darstellung der Chemie der Kolloide. Leip. 1909.
- 54114 **Hatschek, E.** Introduction to the physics and chemistry of colloids. Lond. 1916.
- 54114 ——— Laboratory manual of elementary colloid chemistry. Lond. 1920.
- 54114 **Ostwald, W.** Grundriss der Kolloidchemie. Dresden 1909.

54 CHEMISTRY

- 54114 **Svedberg, T.** Die Methoden zur Herstellung kolloider Lösungen anorganischer Stoffe. Dresden 1909.
- 54114 **Taylor, W. W.** Chemistry of colloids and some technical applications. Lond. 1915.
- 54114 **Zsigmondy, R.** Colloids and the ultramicroscope. New York 1909.
- 5411405 **Kolloid-Zeitschrift.**
 K. Zeitschrift für Chemie und Industrie der Kolloide. Vols. 1-12. Dresden 1906-13.
 Kolloid-Zeitschrift. Vol. 13→ Dresden 1913→
- 5411405 **Kolloidchemische Beihefte.** (Ergänzungshefte zur K.B. Kolloid-Zeitschrift.) Vol. 12→ Dresden 1920→
- 54114:61 **Bechhold, H.** Colloids in biology and medicine. New York 1919.
- 54114:61 — Kolloide in Biologie und Medizin. Dresden 1920.
- 54114:61 **Searle, A. B.** Colloids in health and disease. Lond. 1920.

5412 ATOMICS.

- 5412 **Baxter, G. P.** Atomic weights of cadmium, etc. Wash. 1910.
- 5412 **Friend, J. N.** Theory of valency. Lond. 1909.
- 5412 **Kuenen, J. P.** Zustandsgleichung der Gase und Flüssigkeiten und die Kontinuitätstheorie. Braunsch. 1907.
- f. 5412 **Morley, E. W.** Densities of oxygen and hydrogen and ratio of their atomic weights. Wash. 1895.
- 5412 **Perrin, J.** Atoms. Lond. 1916.
- 5412 **Richards, T. W.** Compressibilities of elements. Wash. 1907.
- 5412 — Further researches on atomic weights. Wash. 1907.
- 5412 **Richards, T. W., and Wells, R. C.** Revision of the atomic weights of sodium and chlorine. Wash. 1905.
- 5412 **Richards, T. W., and Willard, H. H.** Determinations of atomic weights. Wash. 1910.

54 CHEMISTRY

- 5412 **Roscoe, Sir H. E., and Harden, A.** New view of origin of Dalton's atomic theory. Lond. 1896.
- 5412 **Smith, E. F., and Van Haagen, W. K.** Atomic weights of boron and fluorine. Wash. 1918.
- f. 5412 **Stas, J. S.** Nouvelles recherches sur les lois des proportions chimiques, sur les poids atomiques et leurs rapports mutuels. [1865.]
- 5412 **Wurtz, A.** The Atomic theory. Lond. 1880.
- 5412 **Young, S.** Stoichiometry. Lond. 1908.

54121 RADIOACTIVITY.

- 54121 **Barus, C.** Condensation of vapor as induced by nuclei and ions. Wash. 1907.
- 54121 — Nucleation of the uncontaminated atmosphere. Wash. 1906.
- 54121 **Battelli, A., and others.** La Radioactivité. Genève [1910].
- 54121 **Blondlot, R.** "N" rays. Lond. 1905.
- 54121 **Bragg, W. H.** Studies in radioactivity. Lond. 1912.
- 54121 **Congrès international pour l'étude de la radiologie,** Liège, 1905. Comptes rendus. Paris 1906.
- 54121 **Crowther, J. A.** Ions, electrons, and ionizing radiations. Lond. 1919.
- 54121 **Curie, M. S., Madame.** Recherches sur les substances radioactives. Paris 1904.
- 54121 — Traité de radioactivité. 2 vols. Paris 1910.
- 54121 **D'Albe, E. E. F.** The Electron theory. Lond. 1909.
- 54121 **Hofmann, K.** Die Radioactiven Stoffe. Leip. 1903.
- 54121 **Kaye, G. W. C.** X rays. Lond. 1914.
- 54121 **Laborde, A.** Méthodes de mesure employées en radio-activité. Paris [1911].
- 54121 **Lenard, P.** Über Kathodenstrahlen. Leip. 1906.
- 54121 **Makower, W., and Geiger, H.** Practical measurements in radio-activity. Lond. 1912.

54 CHEMISTRY

- 54121 **Righi, A.** *La Materia radiante e i raggi magnetici.* Bologna 1910.
- 54121 ——— *Modern theory of physical phenomena: radio-activity, ions, electrons.* New York 1904.
- 54121 **Rutherford, E.** *Radioactive substances and their radiations.* Camb. 1913.
- 54121 ——— *Radioactive transformations.* New York 1906.
- 54121 ——— *Radio-activity.* Camb. 1904.
- 54121 **Soddy, F.** *Interpretation of radium.* Lond. 1920.
- 54121 ——— *Radio-activity.* Lond. 1904.
- 54121 **Strutt, R. J.** *The Becquerel rays and the properties of radium.* Lond. 1904.
- 54121 **Villard, P.** *Les Rayons cathodiques.* [Paris 1900.]
- 54121 **Wendell, L.** *The Systematic development of X-ray plates and films.* Lond. 1920.
- : 77

5413 AFFINITY.

- 5413 **Guldberg, C. M., and Waage, P.** *Études sur les affinités chimiques.* Christiania 1867.
- 5413 **Lundén, H.** *Affinitätsmessungen an schwachen Säuren und Basen.* Stuttg. 1908.
- 5413 **Sackur, O.** *Die Chemische Affinität und ihre Messung.* Braunsch. 1808.

5416 STEREO-CHEMISTRY.

- 5416 **Auwers, K.** *Die Entwicklung der Stereochemie.* Heidelb. 1890.
- 5416 **Bischoff, C. A.** *Handbuch der Stereochemie.* Hrsg. C. A. B. Frankfurt a. M. 1894.
- 5416 **Freundler, P.** *La Stéréochimie.* Paris [1899].
- 5416 **Hantzsch, A.** *Grundriss der Stereochemie.* Breslau 1893.
- 5416 **Hoff, J. H. van't.** *Chemistry in space.* Oxf. 1891.
- 5416 ——— *Die Lagerung der Atome im Raume.* Braunsch. 1908.
- 5416 **Meyerhoffer, W.** *Gleichgewichte der Stereoisomeren.* Leip. 1906.

54 CHEMISTRY

- 5416 **Ryn, W. van.** Die Stereochemie des Stickstoffs.
Zürich 1897.
- 5416 **Stewart, A. W.** Stereochemistry. Lond. 1907.
- 5416 **Wedekind, E.** Die Entwicklung der Stereochemie des
fünfwertigen Stickstoffs im letzten Jahrzehnt.
Stuttg. 1909.
- 5417 **Meyer, J.** Die Allotropie der chemischen Elemente.
Stuttg. 1910.

5418 SOLUBILITY.

- 5418 **Arrhenius, S.** Theories of solutions.
New Haven 1912.
- 5418 **Davis, P. B.** Studies on solution in its relation to light
absorption, conductivity, etc. Compiled by P. B.
Davis. Wash. 1918.
- 5418 **Jones, H. C.** Freezing-point lowering of solutions of
certain electrolytes in water, etc. Wash. 1913.
- 5418 **Jones, H. C., and Anderson, J. A.** Absorption spectra
of solutions of certain salts of cobalt, etc.
Wash. 1909.
- 5418 **Jones, H. C., and Guy, J. S.** Absorption spectra of
solutions as affected by temperature. Wash. 1913.
- 5418 **Jones, H. C., and Strong, W. W.** Absorption spectra
of solutions of rare salts. Wash. 1911.
- 5418 — Study of the absorption spectra. Wash. 1910.
- 5418 **Jones, H. C., and others.** Absorption spectra of solu-
tions as studied by means of the radiomicrometer.
Wash. 1915.
- 5418 — Hydrates in aqueous solution. Wash. 1907.
- 5418 **Morse, H. N.** Osmotic pressure of aqueous solutions.
Wash. 1914.
- 5418 **Walden, P.** Die Lösungstheorien in ihrer geschicht-
lichen Aufeinanderfolge. Stuttg. 1910.

5419 TABLES.

- f. 5419 **Carnelley, T.** Melting and boiling point tables. 2 vols.
Lond. 1885-87.

·54 CHEMISTRY

·5419 **Evans, J. Castell-.** Physico-chemical tables. Vol. 1→
Lond. 1902→

·5419 **Landolt, H., and Börnstein, R.** Physikalisch-chemi-
sche Tabellen. Berl. 1905.

·542 PRACTICAL CHEMISTRY.

·542 **Newth, G. S.** Elementary practical chemistry.
Lond. 1904.

·5424 **Young, S.** Fractional distillation. Lond. 1903.

·5427 **Travers, M. W.** Experimental study of gases.
Lond. 1901.

·54274 **Barus, C.** Diffusion of gases through liquids.
Wash. 1913.

f. ·54279 **Claude, G.** Liquid air, oxygen, nitrogen. Lond. 1913.

·5428 **Moissan, H.** Le Four électrique. Paris 1897.

·5428 **Thomson, Sir J. J.** Rays of positive electricity and
their application to chemical analyses. Lond. 1913.

·543 CHEMICAL ANALYSIS.

·543 **Chesneau, M. G.** Methods of analytical chemistry.
New York 1910.

·543 **Crookes, Sir W.** Select methods in chemical analysis.
Lond. 1905.

·543 **Hempel, W.** Methods of gas analysis. New York 1902.

·543 **Krauch, C.** Testing of chemical reagents for purity.
Lond. [1902].

·543 **Menschutkin, H.** Analytical chemistry. Lond. 1903.

·543 **Merck, E.** Prüfung der chemischen Reagenzien auf
Reinheit. Darmstadt 1912.

·543 **Muter, J.** Manual of analytical chemistry.
Lond. 1903.

·543 **Plattner, C. F.** Manual of qualitative and quantitative
analysis with the blowpipe. New York 1902.

·543 **Treadwell, F. P.** Analytical chemistry. 2 vols.
New York 1905.

·543 **Wright, A. C.** Analysis of oils and allied substances.
Lond. 1903.

54 CHEMISTRY

- 54301 **Ostwald, W.** Scientific foundations of analytical chemistry. Lond. 1900.
- 543:612 **Hoppe-Seyler, F.** Handbuch der physiologisch- und pathologisch-chemischen Analyse. Bearbeitet von H. Thierfelder. Berl. 1903.
- 5431 **König, J.** Chemie der menschlichen Nahrungs- und Genussmittel. Vol. 1→. Berl. 1882→
- 5431 **Blyth, A. W.** Foods, their composition and analysis. Lond. 1896.
:6132
- 5431 **Robinson, H. M., and Cribb, C.** Law and chemistry of food and drugs. Lond. 1895.
:6132
- 5433 **Frankland, E.** Water analysis for sanitary purposes. Lond. 1890.
- 5433 **Mason, W. P.** Examination of water. New York 1903.
- 5433 **Wanklyn, J. A., and Chapman, E. T.** Water analysis. Lond. 1889.
- 5433(794) **Mitchell, J. P.** Normal constituents of potable water of San Francisco peninsula. Stanford Univ. 1910.
- 5436 **Behrens, H.** Manual of microchemical analysis. Lond. 1894.
- 5436 **Washington, H. S.** Manual of the chemical analysis of rocks. New York 1910.
- 5437 **Wanklyn, J. A., and Cooper, W. J.** Air analysis. Lond. 1890.

544 QUALITATIVE ANALYSIS.

5446 SPECTRUM ANALYSIS.

- 5446 **Baly, E. C. C.** Spectroscopy. Lond. 1905.
- 5446 **Coblentz, W. W.** Investigations of infra-red spectra. Pt. 1→ Wash. 1905→
- 5446 **Kayser, H.** Handbuch der Spectroscopie. Vol. 1→ Leip. 1900→
- 5446 **Néculcéa, E.** Spectres ultraviolets d'étincelles oscillantes. Paris 1908.
- 5446 **Roscoe, Sir H. E.** Spectrum analysis. Lond. 1885.

·54 CHEMISTRY

- 5446 **Uhler, H. S. and Wood, R. W.** Atlas of absorption spectra. Wash. 1907.
- 5446 **Watts, W. M.** Index of spectra. Lond. 1872.
- 5446 ——— (Appendix B→) Manch. 1889→
- 5446 ——— Introduction to the study of spectrum analysis. Lond. 1904.

·545 QUANTITATIVE ANALYSIS.

- 545 **Cumming, A. C., and Kay, S. A.** Text-book of quantitative chemical analysis. Lond. 1919.
- 545 **Stillman, T. B.** Engineering chemistry. Easton, Pa. 1910.
- 545 : 5326 **Goppelsroeder, F.** Neue capillar- und capillaranalytische Untersuchungen. Basel 1907.
- 5453 **Clark, W. M.** The Determination of hydrogen ions. Baltimore 1920.
- 5453 **Classen, A.** Quantitative chemical analysis by electrolysis. New York 1903.
- 5453 **Neumann, B.** Theory and practice of electrolytic methods of analysis. Lond. 1898.
- 5455 **Cohn, A. I.** Indicators and test-papers. New York 1902.
- 5455 **Mohr, F.** Lehrbuch der chemisch-analytischen Titrimethode. Hrsg. A. Classen. Braunsch. 1896.
- 5455 **Russell, J. B., and Bell, A. H.** Notes on volumetric analysis. Lond. 1905.
- 5455 **Sutton, F.** Systematic handbook of volumetric analysis. Lond. 1900.

·546 INORGANIC CHEMISTRY.

- 546 **Arendt, R.** Technik der anorganischen Experimentalchemie. Hamb. 1910.
- 546 **Browning, P. E.** Introduction to the rarer elements. New York 1917.
- 546 **Lengfield, F.** Inorganic chemical preparations. New York 1899.

54 CHEMISTRY

- 54602 **Abegg, R.** Handbuch der anorganischen Chemie.
Vol. 1→ Leip. 1905→
- 54602 **Caven, R. M., and Lander, G. D.** Systematic in-
organic chemistry. Lond. 1906.
- 54602 **Dammer, O.** Handbuch der anorganischen Chemie.
4 vols. Stuttg. 1892-1903.
- 54602 **Gmelin, L., and Kraut, K.** Handbuch der anorgan-
ischen Chemie. Vol. 1→ Heidelb. 1906→
- 54602 **Lewes, V. B.** Inorganic chemistry. Lond. [1903].
- 54602 **Mellor, J. W.** Modern inorganic chemistry.
Lond. 1920.
- 54602 **Mendeléeff, D.** Principles of chemistry. 2 vols.
Lond. 1891.
- 54602 **Newth, G. S.** Text-book of inorganic chemistry.
Lond. 1905.
- 54602 **Ostwald, W.** Principles of inorganic chemistry.
Lond. 1902.
- 54602 **Partington, J. R.** Text-book of inorganic chemistry
for university students. Lond. 1921.
- 54602 **Remsen, I.** Inorganic chemistry. Lond. 1889.
- 54602 **Richter, V. von.** Text-book of inorganic chemistry.
Philad. 1903.
- 54602 **Senter, G.** Text-book of inorganic chemistry.
Lond. [1911].
- 54602 **Smith, A.** Introduction to general inorganic chemistry.
New York 1906.
- 54603 **Hoffmann, M. K.** Lexikon der anorganischen Verbin-
dungen. [*German, English, etc.*] Vol. 1→
Leip. 1910→
- 54604 **Levy, S. I.** The Rare earths, etc. Lond. 1915.
- 54604 **Smith, J. H.** Recent discoveries in inorganic chem-
istry. Camb. 1919.
- 54604 **Werner, A.** New ideas on inorganic chemistry.
Lond. 1911.

54 CHEMISTRY

5461 NON-METALLIC ELEMENTS.

- 54616 **Moissan, H.** Le Fluor et ses composés. Paris 1900.
 54617 **Norton, T. H.** Utilization of atmospheric nitrogen.
 Wash. 1912.
 54626 **Le Chatelier, H.** Leçons sur le carbone. Paris 1908.

5463 METALLIC ELEMENTS.

- 5463 **Desch, C. H.** Metallography. Lond. 1910.
 5463 **Jänecke, E.** Summary of alloys. [*n. p. or d.*]
 54645 **Parsons, C. L.** Chemistry and literature of beryllium.
 Lond. [1909].

547 ORGANIC CHEMISTRY.

- 547 **Elbs, K.** Die Synthetischen Darstellungsmethoden der
 Kohlenstoff-Verbindungen. 2 vols. Leip. 1889-91.
 547 **Gattermann, L.** Practical methods of organic chem-
 istry. New York 1903.
 547 **Lachman, A.** Spirit of organic chemistry, an introduc-
 tion to the current literature. New York 1904.
 547 **Meldola, R.** Chemical synthesis of vital products and
 the inter-relations between organic compounds.
 Vol. 1→ Lond. 1904→
Ref. 54702 **Beilstein, F.** Handbuch der organischen Chemie.
 4 vols. Hamb. 1893-99.
 ——— Suppl. 5 vols. Hamb. 1901-06.
 54702 **Bunge, G. von.** Text-book of organic chemistry.
 Lond. 1907.
 54702 **Cohen, J. B.** Organic chemistry for advanced students.
 3 pts. Lond. 1920.
 54702 **Freundler, P., and Marquis, R.** Manuel de travaux
 pratiques de chimie organique. Paris 1908.
 54702 **Haskins, H. D., and Macleod, J. J. R.** Organic chem-
 istry. New York 1907.
 54702 **Keane, C. A.** Modern organic chemistry. Lond. 1909.
 54702 **Lassar-Cohn, .** Laboratory manual of organic chem-
 istry. Lond. 1896.

54 CHEMISTRY

- 54702 **Noyes, W. A.** Text-book of organic chemistry.
New York 1903.
- 54702 **Perkin, W. H., and Kipping, F. S.** Organic chemistry.
2 vols. Lond. 1902-04.
- 54702 **Richter, V. von.** Organic chemistry. 2 vols. Ed. R.
Anschütz. Lond. 1902-03.
- 54702 **Weyl, T.** Die Methoden der organischen Chemie.
Hrsg. von T. W. 2 vols. Leip. 1909-11.
- Ref. 54703 **Deutsche chemische Gesellschaft.** Literatur-Regis-
ter der organischen Chemie, geordnet nach M. M.
Richters Formel system. Hrsg. von der Deutschen
chemischen Gesellschaft. Vol. 1→
Braunsch. 1913→
- Ref. 54703 **Richter, M. M.** Lexikon der Kohlenstoff-Verbin-
dungen. 4 vols. Hamb. 1910-12.
- 54704 **Henrich, F.** Neuere theoretische Anschauungen auf
dem Gebiete der organischen Chemie.
Braunsch. 1908.
- 54704 **Japp, F. R.** Researches in organic chemistry. By
F. R. Japp, W. Maitland, J. Knox, and J. Wood.
Abd. 1904.
- 54704 **Stewart, A. W.** Recent advances in organic chem-
istry. Lond. 1918.
- 54707 **Fischer, E.** Exercises in the preparation of organic
compounds. Glasg. 1889.
- 54709 **Schorlemmer, C.** Rise and development of organic
chemistry. Lond. 1894.
- 547 **Moser, A.** Die Elektrolytischen Prozesse der organis-
chen Chemie. Halle a. S. 1910.
- 547:57 **Fränkel, S.** Descriptive Biochemie. Wiesbaden 1907.
- 547:57 **Gautier, A.** Leçons de chimie biologique. Publiées
avec la collaboration de M. Arthus. Paris 1897.
- 547:57 **Schryver, S. B.** Introduction to the study of biological
chemistry. Lond.
- 547^I **Moissan, H.** Série du cyanogène. Paris 1882.
- 547² **Heusler, F.** Chemistry of the terpenes Lond. 1902.

54 CHEMISTRY

- 54723 **Lewes, V. B.** Acetylene. Westm. 1900.
- 54744 **Grossmann, J.** Ammonia and its compounds.
Lond. 1906.
- 54744 **Maxted, E. B.** Ammonia and the nitrides.
Lond. 1921.
- 54752 **Orloff, J. E.** Formaldehyd. Leip. 1909.
- 54778 **Robertson, T. B.** Physical chemistry of the proteins.
New York 1918.
- 547786 **Fischer, E.** Untersuchungen über Aminosäuren, Poly-
peptide und Proteine, 1899-1906. Berl. 1906.
- 547786 **Mann, G.** Chemistry of the proteids. Based on O.
Cohnheim's "Chemie der Eiweisskörper".
Lond. 1906.
- 547786 **Scherer, R.** Casein, its preparation and technical
utilisation. Lond. 1911.
- 547786 **Schryver, S. B.** Chemistry of the albumens.
Lond. 1906.
- 5478 **Sidgwick, N. V.** Organic chemistry of nitrogen.
Oxf. 1910.
- 54793 **Wren, H.** Organometallic compounds of zinc and
magnesium. Lond. 1913.

·548 CRYSTALLOGRAPHY.

- 548 **Fock, A.** Introduction to chemical crystallography.
Oxf. 1895.
- 548 **Schenck, R.** Kristallinische Flüssigkeiten und flüssige
Kristalle. Leip. 1905.
- 548 **Smiles, S.** Chemical constitution and some physical
properties. Lond. 1910.
- 548 **Tutton, A. E. H.** Crystalline structure and chemical
constitution. Lond. 1910.
- 548 **Vorländer, D.** Kristallinisch-flüssige Substanzen.
Stuttg. 1908.
- 54802 **Groth, P.** Optical properties of crystals.
New York 1910.
- 54802 ——— Physikalische Krystallographie. Leip. 1885.
- 54802 **Lewis, W. J.** Treatise on crystallography.
Camb. 1899.
- 54802 **Maskelyne, N. Story-.** Crystallography. Oxf. 1895.
- 54802 **Tutton, A. E. H.** Crystallography and practical crystal
measurement. Lond. 1911.
- 54802 **Williams, G. H.** Elements of crystallography.
Lond. 1890.
- 54803 **Goldschmidt, V.** Index der Krystallformen der Miner-
alien. 3 vols. Berl. 1886-91.
- 548082 **Sella, Q.** Abhandlungen zur Krystallographie.
Ost 1 Leip. 1906.
- f. 548084 **Goldschmidt, V.** Atlas der Krystallformen. Vol. 1→
Heidelb. 1913→
- 5485 **Bragg, W. H., and W. L.** X-rays and crystal struc-
ture. Lond. 1915.
- 5488 **Liebisch, T.** Grundriss der physikalischen Krystallo-
graphie. Leip. 1896.
- 5489 **Buchwald, E.** Einführung in die Kristalloptik.
Berl. 1920.

·549 MINERALOGY.

- | | | | |
|----------------|-----------------------------------------|----------------------------------------------------------|------------------------------------------------|
| ·549 | Brauns, R. | The Mineral kingdom. | Esslingen 1912. |
| ·54902 | Dana, E. S. | First appendix to Dana's System of mineralogy. | New York 1899. |
| ·54902 | Dana, J. D. | System of mineralogy. | Ed. E. S. Dana.
New York 1896. |
| f. 54902 | Félix, J. | La Vie des minéraux. | [Vol. 1—Atlas.]
1910. |
| ·54902 | Hintze, C. | Handbuch der Mineralogie. | Vol. 1→
Leip. 1897→ |
| ·54902 | Kraus, E. H., and Hunt, W. F. | Mineralogy. | New York, 1920. |
| f. 54902 | Leteur, F. | Traité élémentaire de minéralogie pratique. | Paris [1907]. |
| ·54902 | Miers, H. A. | Mineralogy. | Lond. 1902 |
| ·54902 | Moses, A. J., and Parsons, C. L. | Elements of mineralogy, etc. | New York 1916. |
| ·54902 | Naumann, C. F. | Elemente der Mineralogie. | Ergänzte Auflage von F. Zirkel.
Leip. 1901. |
| A | Nicol, J. | Elements of mineralogy. | Edin. 1873. |
| ·54902 | — | Manual of mineralogy. | Edin. 1873. |
| ·54902 | Niggli, P. | Lehrbuch der Mineralogie. | Berl. 1920. |
| ·54902 | Phillips, A. H. | Mineralogy. | New York 1912. |
| ·54902 | Sommerfeldt, E. | Praktikum der experimentellen Mineralogie. | Berl. 1911. |
| ·54902
(42) | Rudler, F. W. | Handbook to a collection of minerals of British Islands. | Lond. 1905. |
| ·54903 | Chester, A. H. | Dictionary of names of minerals. | New York 1896. |

549 MINERALOGY

- 54904 **Brush, G. J.** Manual of determinative mineralogy.
Enlarged by S. L. Penfield. New York 1896.
- 54904 **Davy, W. M., and Farnham, C. M.** Microscopic ex-
amination of the ore minerals. New York 1920.
- 54904 **Day, A. L.** Isomorphism and thermal properties of
the feldspars. Wash. 1905.
- 54904 **Goesel, J. G.** Minerals and metals. New York 1906.
- 54904 **Iddings, J. P.** Rock minerals. New York 1906.
- 54904 **Johannsen, A.** Key for the determination of rock-
forming minerals. New York 1908.
- 54904 **Louis, H.** The Dressing of minerals. Lond. 1909.
- 54904 **Merrill, G. P.** Non-metallic minerals. New York 1905.
- 54904 **Moor, C. G.** The Recognition of minerals. Lond.
- 54904 **Schroeder van der Kolk, J. L. C.** Tabellen zur Bes-
timmung der Mineralien. Wiesbaden 1900.
- 54904 **Tolman, C. F., and Rogers, A. F.** Magmatic sulfid
ores. Stanford Univ. 1916.

54905 PERIODICALS.

- 54905 C. **Centralblatt für Mineralogie, Geologie und Palae-
ontologie.** Vol. 1→ Stuttg. 1900→
- 54905 J.M. **Neues Jahrbuch für Mineralogie, Geologie und
Palaeontologie.** 1861→ Stuttg. 1861→
- 54905 J.M. — Beilage-Band. 1→ Stuttg. 1881→
- 54906 M. **Mineralogical Society.** Mineralogical magazine and
journal. Vol. 1→ Lond. 1877→
- 54906:549 **Royal Society.** International catalogue of scientific
literature. Mineralogy. [1901]→ Lond. 1903→

549(·) REGIONAL MINERALOGY.

- 549 (∞) **Spencer, L. J.** The World's minerals. Lond. [191.].
- 549 (∞) **Stokes, R. S. G.** Mines and minerals of the British
Empire. Lond. 1908.
- 549 (41) **Heddle, M. F.** Mineralogy of Scotland. Vol. 1→
Edin. 1901→

- '549 (44) **Lacroix, A.** Minéralogie de la France et de ses colonies. 2 vols. Paris 1893-97.
- '549(51) **Wang, Chung Yu.** Bibliography of mineral wealth, etc., of China. Lond. 1912.
- '549 (67) **Moore, C. W., and Wiimer, W. H. C.** Minerals of S. Africa. Johannesburg 1893.
- '549(71) **Canada—Munition resources commission.** Final report of the work of the commission, November, 1915, to March, 1919. Toronto 1920.
- '549 **Calvert, A. F.** Mineral resources of Minas Geraes, (8116) Brazil. Lond. 1915.

·55 GEOLOGY.

- 5501 **Hutton, C. J.** Theory of the earth. 3 vols.
Edin., Lond. 1795-1899.
- 5501 **Launay, L. de.** La Science géologique. Paris 1905.
- 5501 **Lyell, Sir C.** Principles of geology. 2 vols.
Lond. 1875.
- 5501 **Playfair, J.** Illustrations of the Huttonian theory of
the earth. Edin. 1802.
- 5501 **Ratzel, F.** Die Erde und das Leben. 2 vols.
Leip. 1901-02.
- 5501 **Robin, A.** La Terre. Paris
- 5501 **Walther, J.** Geschichte der Erde und des Lebens.
Leip. 1908.
- 5502 **Chamberlin, T. C., and Salisbury, R. D.** Geology.
3 vols. Lond. 1909.
- 5502 **Geikie, Sir A.** Class-book of geology. Lond. 1886.
- 5502 ——— Text-book of geology. 2 vols. Lond. 1903.
- 5502 **Geikie, J.** Outlines of geology. Lond. 1886.
- 5502 **Guède, H.** La Géologie. Paris
- 5502 **Haug, É.** Traité de géologie. 2 vols. Paris 1907-11.
- 5502 **Lake, P., and Rastall, R. H.** Textbook of geology.
Lond. 1920.
- 5502 **Lapworth, C.** Intermediate text-book of geology.
Edin. 1899.
- 5502 **Neumayr, M.** Erdgeschichte. 2 vols. Leip. 1887.
- Λ **Nicol, J.** Catechism of geology. Edin. 1855.
- 5502 **Prestwich, J.** Geology, chemical, physical, and strati-
graphical. 2 vols. Oxf. 1886-88.
- 5502 **Roberts, R. D.** Introduction to modern geology.
Lond. 1893.

·55 GEOLOGY

- 5502 **Schwarz, H. E. L.** Causal geology. Lond. 1910.
Ref. ·5503 **Kenngott, A.** Handwörterbuch der Mineralogie, Geologie und Palæontologie. 3 vols. Breslau 1882-87.
- 5504 **Geikie, Sir A.** Geological sketches at home and abroad. Lond. 1882.
- 5504 ——— Types of scenery and their influence on literature. Lond. 1898.
- 5504 **Geikie, J.** Fragments of earth lore. Edin. 1893.
- 5504 **Paulcke, W.** Das Experiment in der Geologie. Berl. 1912.
- 5504 **Prestwich, J.** Collected papers on controverted questions of geology. Lond. 1895.
- 5504 **Sollas, W. J.** The Age of the earth. Lond. 1908.

·5505 PERIODICALS.

- 5505 M. **Geological magazine.** Vol. 1→ Lond. 1864→
- 5505 J. **Journal of geology.** Vol. 1→ Chicago 1893→

·5506 SOCIETIES.

- 5506 G.J.C. **Geological society of London.** Centenary, Sept.-Oct., 1907. Lond. 1909.
- 5506 G.J. ——— Geological literature added to library. Lists, 1873/74→. [*Appendix to Journal.*]
- 5506 G.J. ——— Proc. Vols. 1-3. Lond. [1833]-42.
- 5506 G.J. ——— Quarterly Journal. Vol. 1→ Lond. 1845→
- 5506 G.T. ——— Trans. Vols. 1-5; Ser. II., vols. 1-7. Lond. 1811-56.
- 5506 ——— History of the Geological society of London. By G.E.W. H. B. Woodward. Lond. 1908.
- 5506 G.A. **Geologists' association.** Proc. Vol. 1→ Lond. 1865→
- 5506 **Geological society of Glasgow.** Trans. Vol. 1→ (4143) Glasg. 1868→
- 5506 (4143) **Macnair, P., and Mort, F.** History of the Geological Society of Glasgow, 1858-1908. Glasg. 1908.

55 GEOLOGY

- 5506(4143) **Glasgow University — Geological Department,**
G.U. Papers. Vol. 1→ Glasg. 1915→
- 5506 **Edinburgh geological society.** Trans. Vol. 1→
(4144) Edin. 1870→
- 5506(42) **Geological survey.** Memoirs. 1846→ Lond. 1846→
- 5506(52) **Tôhoku University.** Science reports. Ser. II. (Geo-
T.U. logy). Vol. 1→ [Sendai] 1914→
- 5506 **Union of South Africa—Mines department.** Reports.
(682) 1909→ Pretoria 1910→
- 5506 **Cape of Good Hope—Department of Mines.** Geo-
(687) logical commission. Reports. [2]→
Cape Town 1898→
- 5506(71) **Canada—Department of mines—Geological survey.**
G.M.C Catalogue of publications. Ottawa 1909→
- 5506(71) ——— Guide books. 1→ Ottawa 1913→
G.G.
- 5506(71) ——— Memoirs. 1→ Ottawa 1910→
G.M.
- 5506(71) ——— Prospector's handbook. 1→
G.P. Ottawa 1914→
- 5506(71) **Canada—Department of mines—Mines.** Bulletins.
M.B. 1→ Ottawa 1909→
- 5506(71) ——— Catalogue of publications. 1907/11.
M.P.C. Ottawa 1912.
- 5506(71) ——— [Publications.] 1907→
M.P. Ottawa 1908→
- 5506(71) ——— Report of mineral production of Canada.
M.R. 1906→ Ottawa 1909→
- 5506(71) **Canada—Geological survey.** Reports. 1853-57,
G.R. 1863-84; n.s. 1885→ Toronto 1857→
- 5506(73)B. **United States—Geological survey.** Bulletins. 218→
Wash. 1903→
- 5506(73)M. ——— Mineral resources. 1902→ Wash. 1904→
- 5506(73)MO. ——— Monographs. 15, 22, 46→ Wash. 1889→
- 5506(73)P. ——— Professional papers. 9→ Wash. 1903→
- 5506(73)PU. ——— Publications. N.S. 1→ Wash. 1912→

55 GEOLOGY

- 5506(73)**R. United States—Geological survey.** Reports. 1→
Wash. 1880→
- 5506(73)**W. ——— Water supply papers.** 80→ Wash. 1903→
- 5506 **Iowa—Geological survey.** Reports. 1→
(777) **R.** Des Moines 1893→
- 5506 **California University publications.** Geology. Vol.
(794) **C.U.** 1→ Berkeley 1896→
- 5506 **New Zealand—Geological Survey.** Bulletins. N.S.
(931) 1→ Wellington 1906→
- 5506 **New South Wales—Department of mines.** Reports.
(944) **M.** 1877→ Sydney 1878→
- f.* 5506 **Victoria—Geological survey.** Memoirs. 4→
(945) **M.** Melbourne [1907]→

5507 METHODS OF STUDY.

- 5507 **Cole, G. A. J.** Aids in practical geology. Lond. 1902.
- 5507 **Farrell, J. H.** Practical field geology. New York 1912.
- 5507 **Geikie, Sir A.** Outlines of field geology. Lond. 1879.
- 5507 **Geikie, J.** Structural and field geology. Edin. 1905.
- 5507 **Keilhack, K.** Lehrbuch der praktischen Geologie.
Stuttg. 1896.
- 5507 **Lahee, F. H.** Field geology. Lond. 1916.
- 5507 **Monckton, H. W., and Herries, R. S.** Geology in the
field. Lond. 1910.

5508 COLLECTIVE WORKS, ATLASES, ETC.

- 55081 **Sheppard, T.** William Smith, his maps and memoirs.
Smi. S. Hull, 1920.
- 55084(4) **Europe.** Carte géologique internationale de l'Europe.
Pt. 1→ Berl. 1894→
- 55084 **Reynolds, J.** Geological atlas of Great Britain.
(42) Lond. 1889.
- 55084 **Woodward, H.** Stanford's Geological atlas of Great
(42) Britain. Lond. 1904.
- 55084 **United States—Geological survey.** Geological atlas of
(73) the United States. Pt. 1→ Wash. 1894→

·55 GEOLOGY

·5509 HISTORY.

·5509 **Zittel, K. A. von.** History of geology and palæontology.
Lond. 1901.

Ref. ·016 **Bibliographia geologica.** Par M. Murlon. Série
: 55 *B.G.* A. Publications antérieures à 1896. Vol. 1→
Brux. 1899→

Ref. ·016 — — — [Série B. 1896→] Vol. 1→ Brux. 1897→
: 55 *B.G.*

Ref. ·016 **Lavis, H. J. Johnston-** Bibliography of the geology
: 55121 and eruptive phenomena of the more important
volcanoes of Southern Italy. Lond. 1918

·016 **Royal Society.** International catalogue of scientific
: 55 literature. Geology. [1901→] Lond. 1903→

·55092 **Geikie, Sir A.** Charles Darwin as geologist.
Camb. 1909.

·55092 **Irons, J. C.** Autobiographical sketch of James Croll.
Lond. 1896.

·55092 **Lyell, Sir C.** Life. 2 vols. Lond. 1881.

·55092 **Newbigin, M. I., and Flett, J. S.** James Geikie, the
man and the geologist. Edin. 1917.

·55(·) REGIONAL GEOLOGY.

·55(∞) **Reed, F. R. C.** Geology of British empire. Lond. 1921.

·55(2343) **Bonney, T. G.** The Building of the Alps. Lond. 1912.

·55(235) **Burrard, Sir S. G., and Hayden, H. H.** Geography and
geology of the Himalaya Mountains and Tibet.
Calcutta 1908.

·55(26) **Meunier, S.** Histoire géologique de la mer.
Paris 1917.

·55(4) **Geikie, J.** Prehistoric Europe. Lond. 1881.

·55(41) **Geikie, Sir A.** Scenery of Scotland. Lond. 1901.

·55(41) **Macnair, P.** Geology and scenery of the Grampians
and the Valley of Strathmore. 2 vols. Glasg. 1908.

Λ **Nicol, J.** Geology and scenery of the North of Scotland.
Edin. 1866.

·55 GEOLOGY

- 55(41) **Nicol, J.** Guide to geology of Scotland. Edin. 1844.
- 55(4114) **Cadell, H. M.** The Geology and scenery of Sutherland. Edin. 1896.
- 55(4117) **MacCulloch, J.** Description of the western islands of Scotland. 3 vols. Lond. 1819.
- 55(4125) **Bremner, A.** Physical geology of the Dee valley. Abd. 1912.
- 55(4125) ——— Physical geology of the Don basin. Abd. 1921.
- 55(414) **Murdoch, J. B.** Geology and palaeontology of the Clyde drainage area. Ed. J. B. M. Glasg. 1904.
- 55(42) **Avebury, Sir J. Lubbock, 1st baron.** Scenery of England. Lond. 1902.
- 55(42) **Browne, A. J. Jukes=.** The Building of the British Isles. Lond. 1911.
- 55(42) **Ramsay, A. C.** Physical geology and geography of Great Britain. Lond. 1894.
- 55(4235) **Arber, E. A. N.** The Coast scenery of North Devon. Lond. 1911.
- 55(4235) **Browne, A. J. Jukes=.** The Hills and valleys of Torquay. Torquay 1907.
- 55(4248) **Lapworth, C.** Sketch of the geology of the Birmingham district. Birmingham 1907.
- 55(4274) **Sheppard, T.** Geological rambles in East Yorkshire. Lond.
- 55(428) **Marr, J. E.** Geology of the Lake District. Camb. 1916.
- 55(43) **Walther, J.** Lehrbuch der Geologie von Deutschland. Leip. 1910.
- 55(4563) **Washington, H. S.** The Roman comagmatic region. Wash. 1906.
- 55(494) **Avebury, Sir J. Lubbock, 1st baron.** Scenery of Switzerland. Lond. 1896.
- 55(5) **Launay, L. de.** La Géologie et les richesses minérales de l'Asie. Paris 1911.

·55 GEOLOGY

- 55(54) **Medlicott, H. B., and Blanford, W. T.** Geology of India. With atlas. Calcutta 1879.
- 55(54) **Vredenburg, E. W.** Geology of India. Calcutta 1910.
- 55(54) **Wadia, D. N.** Geology of India. Lond. 1919.
- 55(564) **Bellamy, C. V., and Browne, A. J. Jukes-.** Geology of Cyprus. Plymouth 1905.
- 55(584) **Pumpelly, R.** Explorations in Turkestan, with an account of the basin of Eastern Persia and Sistan. Expedition of 1903 under the direction of R. P. Wash. 1905.
- 55(669) **Falconer, J. D.** Geology and geography of Northern Nigeria. Lond. 1911.
- 55(68) **Hatch, F. H., and Corstorphine, G. S.** Geology of South Africa. Lond. 1905.
- 55(687) **Rogers, A. W.** Geology of Cape Colony. Lond. 1905.
- 55(7) **Rice, W. N., and others.** Problems of American geology. New Haven 1915.
- 55(729) **Vaughan, T. W.** Contributions to the geology and paleontology of the West Indies. Wash. 1919.
- 55(8) **Darwin, C.** Geological observations on South America. Lond. 1846.
- 55(81) **Branner, J. C.** Outlines of the geology of Brazil. [Rochester; N.Y. 1920.]
- 55(931) **Park, J.** Geology of New Zealand. Christchurch 1910.
- 55(942) **Howchin, W.** Geology of South Australia. Adelaide 1918.

·55: RELATION DIVISIONS.

- 55 **Joly, J.** Radioactivity and geology. Lond. 1909.
: 54121
- 55:573 **Kraemer, H.** Weltall und Menschheit. Hrsg. H. K. 5 vols. Berl. [1902-04].
- 55 **Ries, H., and Watson, T. L.** Engineering geology. New York 1914.
: 62211

55 GEOLOGY

551 PHYSICAL GEOLOGY.

- 551 **Hettner, A.** Grundzüge der Länderkunde. Vol. 1→
Leip. 1907→
- 55102 **Green, A. H.** Physical geology. Lond. 1882.
- 55104 **Daubrée, A.** Études synthétiques de géologie expérimentale. Paris 1879.
- 55104 **Shaler, N. S.** Sea and land. Lond. 1895.

5511 STRUCTURE OF EARTH.

- 5511 **Reade, T. M.** Evolution of earth structure. Lond. 1903.
- 551104 **Gregory J. W.** Nature and origin of fiords.
Lond. 1913.
- 55113 **Fisher, O.** Physics of the earth's crust. Lond. 1881.

5512 INTERNAL ACTION.

- 5512 **Milne, J.** Seismology. Lond. 1898.
- 551206 **Association internationale de sismologie.** Comptes-
A.I. rendus des séances de la troisième réunion, Zermatt,
1909. Budapest 1910.
- 55121 **Anderson, T.** Volcanic studies. Lond. 1903.
- 55121 ——— 2nd ser. Lond. 1917.
- 55121 **Bonney, T. G.** Volcanoes, their structure and significance. Lond. 1912.
- 55121 **Darwin, C.** Geological observations on the volcanic islands visited during the voyage of H.M.S. "Beagle".
Lond. 1844.
- 55121 **Iddings, J. P.** The Problem of volcanism:
New Haven 1914.
- 55121 **Judd, J. W.** Volcanoes, what they are and what they teach. Lond. 1893.
- 55121 **Geikie, Sir A.** Ancient volcanoes of Great Britain.
(42) 2 vols. Lond. 1897.
- 55121 **Scrope, G. P.** Geology and extinct volcanoes of central
(445) France. Lond. 1858.
- 55121 **Heilprin, A.** Mont Pelée and the tragedy of Martinique.
(729) Philad. 1905.

·55 GEOLOGY

- f. 55121 **Lacroix, A.** La Montagne Pelée et ses éruptions.
(729) Paris 1904.
- 55121 **Symons, G. J.** The Eruption of Krakatoa and subsequent phenomena. Ed. G. J. S. Lond. 1888.
(92)
- 55121 **Brigham, W. T.** Volcanoes of Kilauea and Mauna Loa.
(969) Honolulu 1909.
- 55122 **Knott, C. G.** Physics of earthquake phenomena.
Oxf. 1908.
- 55122 **Milne, J.** Earthquakes, and other earth movements.
Lond. 1913.
- 55122 **Montessus de Ballore, F. de.** Les Tremblements de terre.
Paris 1906.
- 55122 **California earthquake investigation commission.**
(794) Report, 1906. 2 vols. and Atlas. Wash. 1908.
- 55123 **Thorkelsson, T.** Hot springs of Iceland.
(4911) Kjøbenhavn 1910.

·5513 EXTERNAL ACTION.

·55131 GLACIATION.

- 55131 **Bonney, T. G.** Ice-work, past and present. Lond. 1896.
- 55131 **Forbes, J. D.** Occasional papers on the theory of glaciers.
Edin. 1859.
- 55131 **Hobbs, W. H.** Characteristics of existing glaciers.
New York 1911.
- 55131 **Howorth, Sir H. H.** The Glacial nightmare and the flood. 2 vols. Lond. 1893.
- 55131 — Ice or water. Vol. 1→ Lond. 1905→
- 55131 **Forbes, J. D.** Travels through the Alps of Savoy and other parts of the Pennine chain. With observations on the phenomena of glaciers. Map. Edin. 1843.
(494)
- 55131 **Tyndall, J.** Glaciers of the Alps. Lond. 1860.
(494)

·55135 DEPOSITION AND EROSION.

- 55135 **Ashton, W.** The Evolution of a coast-line. Lond. 1920.
- 55135 **Carey, A. E., and Oliver, F. W.** Tidal lands: a study of shore problems. Lond. 1918.

55 GEOLOGY

- 55135 **Case, G. O.** Coast sand dunes, sand spits, and sand wastes. Lond. 1914.
- 55135 **Chambers, R.** Ancient sea-margins as memorials of changes in the relative level of sea and land. Edin. 1848.
- 55135 **Cornish, V.** Waves of sand and snow. Lond. [1914].
- 55135 **Johnson, D. W.** Shore processes and shoreline development. New York 1919.
- 55135 **Owens, J. S., and Case, G. O.** Coast erosion and foreshore protection. Lond. [1908].
- 55135 **Wheeler, W. H.** The Sea-coast. Lond. 1903.
- 55135 **Sheppard, T.** Lost towns of Yorkshire coast. Lond. 1912.
(4274)
- 55135 **Gerhardt, P.** Handbuch des deutschen Dünenbaues. Berl. 1900.
(43)
- f. 55135 **Brohm, Major.** Helgoland in Geschichte und Sage. Cuxhaven 1907.
(43518)

5514 PHYSICAL GEOGRAPHY.

- 5514 **Berget, A.** Physique du globe et météorologie. Paris 1904.
- 5514 **Davis, W. M.** Geographical essays. Boston [Mass. 1909].
- 5514 **Hobbs, W. H.** Earth features and their meaning. New York 1912.
- 5514 **Huxley, T. H.** Physiography. Lond. 1878.
- 5514 **Lake, P.** Physical geography. Camb. 1915.
- 5514 **Martonne, E. de.** Traité de géographie physique. Paris 1909.
- 5514 **Maury, M. F.** Physical geography. New York [1908].
- 5514 **Mill, H. R.** The Realm of nature, an outline of physiography. Lond. 1892.
- 5514 **Penck, A.** Morphologie der Erdoberfläche. 2 vols. Stuttg. 1894.
- 5514 **Reclus, E.** New physical geography. 2 vols. Lond. 1888.

·55 GEOLOGY

- 5514 **Salisbury, R. D.** Physiography. New York 1919.
- 5514 **Strachey, R.** Lectures on geography. Lond. 1888.
- 5514 **Suess, E.** Face of the earth. Vol. 1→ Oxf. 1904→
- 5514 **Tarr, R. S.** College physiography. New York 1918.
- 016 **Royal Society.** International catalogue of scientific
:5514 literature. Geography. [1901→] Lond. 1903→
- 5514 **Cadell, H. M.** Story of the Forth. Glasg. 1913.
(413)
- 5514 **Blanford, H. F.** Physical geography for use of Indian
(54) schools. Lond. 1909.
- 55143 **Geikie, J.** Mountains. Edin. 1913.
- 55143 **Reade, T. M.** Origin of mountain ranges. Lond. 1886.
- 55144 **Knebel, W. von.** Höhlenkunde. Braunsch. 1906.
- 55144 **Broeck, E. van den.** Les Cavernes et les rivières
(493) souterraines de la Belgique. 2 vols. Brux. 1910.
- 55145 **Walther, J.** Das Gesetz der Wüstenbildung.
Leip. 1912.
- f. ·55146 **"Belgica."** Croisière océanographique accomplie à
bord de la Belgica dans la Mer du Grönland, 1905.
Brux. 1907.
- 55146 **Chamberlin, T. C., and others.** Tidal and other problems.
Wash. 1909.
- 55146 **Maury, M. F.** Physical geography of the sea.
New York 1856.
- 55147 **Canada—Department of naval service.** Currents in
entrance to St. Lawrence. Ottawa 1913.
- 551481 **Früh, J., and Schröter, C.** Die Moore der Schweiz.
(494) Bern 1904.
- 551481(7) **Russell, I. C.** Lakes of North America.
Boston [Mass.] 1894.
- 551482 — - River development. Lond. 1909.

·5515 METEOROLOGY.

- A **Bain, A.** Meteorology. Edin. 1849.
- 5515 **Bjerknes, V.** Dynamic meteorology. 2 pts. and vol.
of plates. Wash. 1910-11.

- 551502 **Geddes, A. E. M.** Meteorology. Lond. 1921.
- 551502 **Hann, J.** Lehrbuch der Meteorologie. Leip. 1906.
- 551502 **Henkel, F. W.** Weather science. Lond. 1911.
- 551502 **Moore, Sir J. W.** Meteorology. Lond. 1910.
- 551502 **Scott, R. H.** Elementary meteorology. Lond. 1883.
- 551504 **Abercromby, R.** Weather. Lond. 1887.
- 551504 **Bezold, W. von.** Gesammelte Abhandlungen aus den Gebieten der Meteorologie und des Erdmagnetismus. Braunsch. 1906.
- 551504 **Shaw, W. N.** Forecasting weather. Lond. 1911.
- f. 551504 **"Scotia."** Ice observation, etc. : report on work carried out by the "Scotia," 1913. Lond. 1914.
(261)
- 551506 **Meteorological committee.** Reports. 1867-75, 1893/4→ Lond. 1868→
M.C.
- f. 551506 **Meteorological Office.** Geophysical memoirs. Vol. 1→ Lond. 1914→
M.O.M.
- 551506 **Meteorological society, Royal.** Meteorological record. 28 vols. Lond. 1882-1909.
M.R.
- 551506 — Quarterly journal. Vol. 2→ Lond. 1875→
M.J.J.
- 551506 **Scottish meteorological society.** Journal. N.S. Vol. 1→ Edin. 1866→
(41) M.S.
- 551506 **Turin University—Royal observatory.** Osservazioni meteorologiche. 1901→ Torino 1902→
(45) T.
- 551506 **Norwegisches meteorologisches Institut.** Jahrbuch. 1874-76, 1885→ Christiania 1877→
(48) N.M.
- 551506 **Mysore.** Meteorology in Mysore. [Report 1]→ Bangalore 1896→
(54) M.M.
- 551506 **Canada—Meteorological service.** Reports. 1881-82, 1884-90, 1895→ Ottawa 1883→
(71) M.
- 551507 **Angot, A.** Instructions météorologiques. Paris 1903.
- f. 5515084 **Bartholomew, J. G., and Herbertson, A. J.** Atlas of meteorology. Westm. 1899.
- 5515084 **Meteorological Office.** The Weather map. Lond. 1916.

'55 GEOLOGY

- '551509 **Waldo, F.** Modern meteorology. Lond. 1893.
- '5515 **Benedict, F. G.** Composition of the atmosphere, etc.
:543 Wash. 1912.
- '55151 **Brillouin, M.** Mémoires originaux sur la circulation de
l'atmosphère—Halley, Hadley, Maury, etc. Ed. M. B.
Paris 1900.
- '55151 **Ferrel, W.** Popular treatise on the winds.
New York 1893.
- '55156 **Croll, J.** Climate and time in their geological relations.
Lond. [1875].
- '55156 **Hann, J.** Handbook of climatology. New York 1903.
- '55156 ——— Handbuch der Klimatologie. Vol. 1→
Stuttg. 1908→
- '55156 **Ward, R. de C.** Climate, considered especially in re-
lation to man. Lond. 1908.
- '55156(54) **Blanford, H. F.** Climates and weather of India,
Ceylon, and Burmah. Lond. 1889.
- '55156(7) **Huntington, E.** Climatic factor in arid America.
Wash. 1914.
- '55157 **Clarke, G. A.** Clouds. Lond. 1920.
- '55157 **Clayden, A. W.** Cloud studies. Lond. 1905.
- '5515705 **Regenwaarnemingen in Nederlandsch=Indië.** 1879-
R. 85, 1887-8, 1891, 1895-6, 1899→ Batavia 1880→
- '5515705 **Symons' British rainfall.** 1863→ Lond. 1864→
B.R.
- '5515706(54) **Mysore—Meteorological department.** Rainfall
M.R. registration. 1893→ Bangalore 1894→
- '55157(943) **Queensland.** Results of rainfall observations made
in Queensland. Melbourne 1914.

'5517 STRATIGRAPHICAL GEOLOGY.

- '5517 **Grabau, A. W.** Principles of stratigraphy.
New York 1913.
- '5517 **Marr, J. E.** Principles of stratigraphical geology.
Camb. 1898.

·55 GEOLOGY

- 55173 **Murchison, Sir R. I.** *Siluria: history of the oldest rocks in the British Isles and other countries.* Lond. 1867.
- 55179 **Ball, Sir R.** *Cause of an ice age.* Lond. 1891.
- 55179 **Geikie, J.** *Great ice age and its relation to the antiquity of man.* Lond. 1894.
- 55179 **Wright, W. B.** *The Quaternary ice age.* Lond. 1914.
- 55179(494) **Penck, A., and Brückner, E.** *Die Alpen im Eiszeitalter.* 3 vols. Leip. 1909.

·5518 STRUCTURAL GEOLOGY.

- 5518 **Dwerryhouse, A. R.** *Geological and topographical maps.* Lond. 1911.
- 5518 **Leith, C. K.** *Structural geology.* New York 1913.

·5519 AGENTS OF GEOLOGICAL WORK.

- 55192 **Tyndall, J.** *Forms of water in clouds and rivers, ice and glaciers.* Lond. 1874.
- 55194 **Elsden, J. V.** *Chemical geology.* Lond. 1910.
- 55196 **Darwin, C.** *Structure and distribution of coral reefs.* Lond. 1874.

·552 LITHOLOGY.

- B.M. ·552 **British Museum—Mineral department.** *Introduction to the study of rocks.* By L. Fletcher. Lond. 1909.
- Fle 2
- 55202 **Harker, A.** *Petrology for students.* Camb. 1902.
- 55202 **Hatch, F. H.** *Text-book of petrology.* Lond. 1909.
- 55202 **Hatch, F. H., and Rastall, R. H.** *Petrology of sedimentary rocks.* Lond. 1913.
- 55202 **Hommel, W.** *Grundzüge d. systemat. Petrographie.* Vol. 1→ Berl. 1919→
- 55202 **Mennell, F. P.** *Manual of petrology.* Lond. 1913.
- 55202 **Rosenbusch, H.** *Elemente der Gesteinslehre.* Stuttg. 1901.
- 55202 — *Mikroskopische Physiographie der Mineralien und Gesteine.* 4 vols. Stuttg. 1904-08.
- 55202 **Weinschenk, E.** *Fundamental principles of petrology.* New York 1916.

'55 GEOLOGY

- 55202 **Zirkel, F.** Lehrbuch der Petrographie. 3 vols.
 Leip. 1893-94.
 55204 **Adams, F. D., and Coker, E. G.** Investigation into the
 elastic constants of rocks. Wash. 1906.
 55207 **Weinschenk, E.** Petrographic methods.
 New York 1912.
 55207 **Wright, F. E.** Methods of petrographic-microscopic
 research. Wash. 1911.
 5521 **Chamberlin, R. T.** The Gases in rocks. Wash. 1908.
 5521 **Daly, R. A.** Igneous rocks and their origin.
 New York 1914.
 5521 **Harker, A.** Natural history of igneous rocks.
 Lond. [1909].
 5521 **Iddings, J. P.** Igneous rocks. 2 vols.
 New York 1909-13.
 5521(42) **Teall, J. J. H.** British petrography with special re-
 ference to igneous rocks. Lond. 1888.
 5524 **Leith, C. K., and Mead, W. J.** Metamorphic geology.
 New York 1915.
 5524 **Rutley, F.** Granites and greenstones. Lond. 1894.
 5524(482) **Goldschmidt, V. M.** Die Kontaktmetamorphose im
 Kristianiagebiet. Kristiania 1911.
 55244 **Grubenmann, U.** Die Kristallinen Schiefer. 2 vols.
 Berl. 1904-07.
 55246 **Watson, J.** British and foreign marbles, etc.: a de-
 scriptive catalogue of specimens in the Sedgwick
 Museum, Cambridge. Camb. 1916.
 5525 **Cayeux, L.** Introduction à l'étude pétrographique des
 roches sédimentaires. Paris 1916.
 B.M. 5526 **British Museum—Mineral department.** Introduction
 Fle 2 to the study of meteorites. By L. Fletcher.
 [Lond.] 1908.
 5528 **Rosenbusch, H.** Mikroskopische Physiographie der
 massigen Gesteine. Stuttgart. 1896.

553 ECONOMIC GEOLOGY.

- 553 **Crook, T.** Economic mineralogy. Lond. 1921.
- 553 **Grabau, A. W.** Geology of the non-metallic mineral deposits other than silicates. Vol. 1—Principles of salt deposition. New York 1920.
- 553(∞) **Spurr, J. E.** Political and commercial geology. Ed. J. E. S. New York 1920.
- 553061 **Home Office.** Mines and quarries—general report, with H.O. - statistics. 1910→ Lond. 1911→
- 553(713) **Collins, W. H.** Preliminary report on Gowganda Mining Division, Ontario. Ottawa 1909.
- 553(73) **Tarr, R. S.** Economic geology of the United States. New York 1894.
- 5531 **Beck, R.** Nature of ore deposits. 2 vols. New York 1905.
- 5531 **Beyschlag, F., and others.** Deposits of useful minerals. Vol. 1→ Lond. 1914→
- 5531 **Lindgren, W.** Mineral deposits. New York 1913.
- 5531 **Thomas, H. H., and MacAlister, D. A.** Geology of ore deposits. Lond. 1909.
- 5531(7) **Kemp, J. F.** Ore deposits of the United States and Canada. New York 1903.
- 5532 **Danby, A.** Natural rock asphalts and bitumens. Lond. 1913.
- 5532 **Ronaldson, J. H.** Coal. Lond. 1920.
- 5532 **Thorpe, Sir T. E.** Coal, its history and uses. Ed. Prof. Thorpe. Lond. 1878.
- 5532(∞) **McInnes, W., and others.** Coal resources of the world. 3 vols. and atlas. Toronto 1913.
- 5532(41) **Dron, R. W.** Coal-fields of Scotland. Lond. 1902.
- 5532(42) **Gibson, W.** Coal in Great Britain. Lond. 1920.
- 5532(71) **Porter, J. B., and Durley, R. J.** Coals of Canada. Vol. 1→ Ottawa 1912→
- 5532(81) **White, I. C.** Relatorio final. [Of Brazil Coal Commission.] [*Portuguese and English.*] Rio de Janeiro 1908.

55 GEOLOGY

- | | | | |
|----------------|-------------------------------------------|---------------------------------------------------------------|----------------------|
| 5532
(814) | Oliveira, E. P. de. | Regiões carboníferas dos Estados do Sul. | Rio de Janeiro 1918. |
| 55323 | Potonié, H. | Die Entstehung der Steinkohle. | Berl. 1910. |
| 55328 | Cox, G. H., and others. | Petroleum geology. | New York 1921. |
| 55328 | Craig, E. H. C. | Oil-finding. | Lond. 1912. |
| 55328 | Johnson, R. H., and Huntley, L. G. | Principles of oil and gas production. | New York 1916. |
| 55328 | Tower, W. S. | The Story of oil. | New York 1909. |
| 55328 | Ziegler, V. | Popular oil geology. | New York 1920. |
| 55328
(73) | Bosworth, T. O. | Geology of the Mid continent oilfields. | New York, 1920. |
| 55328
(769) | Jillson, W. R. | The Oil and gas resources of Kentucky. | Frankfort, Ky. 1919. |
| 5533
(718) | Hayes, A. O. | Wabana iron ore of Newfoundland. | Ottawa 1915. |
| 55341 | Maclaren, J. M. | Gold—its geological occurrence and geographical distribution. | Lond. 1908. |
| 55341
(88) | Harrison, J. B. | Geology of the goldfields of British Guiana: | Lond. 1908. |
| 55348 | Ontario nickel commission, Royal. | Report. | Toronto 1917. |
| 5535 | Eckel, E. C. | Building stones. | New York 1912. |
| 5535 | Hirschwald, J. | Handbuch der bautechnischen Gesteinsprüfung. | Berl. 1912. |
| 5535 | Howe, J. A. | Geology of building stones. | Lond. 1910. |
| 5535 | Merrill, G. P. | Stones for building. | New York 1903. |
| 5535 | Watson, J. | British and foreign building stones. | Camb. 1911. |
| 5535(62) | Hume, W. F. | Building stones of Cairo neighbourhood and Upper Egypt. | Cairo 1910. |
| 5535(71) | Parks, W. A. | Building and ornamental stones of Canada. Vol. 1→ | Ottawa 1912→ |
| 55351 | Renwick, W. G. | Marble and marble working. | Lond. 1909. |

·55 GEOLOGY

- 55361 **Ries, H.** Clays—their occurrence, properties and uses.
New York 1906.
- 55362 **Boswell, P. G. H.** British sands and rocks used in
glass-making. Lond. 1918.
- 5538 **Church, A. H.** Precious stones. Lond. 1905.
- 5538 **Goodchild, W.** Precious stones. Lond. 1908.
- 5538 **Streeter, E. W.** Precious stones and gems.
Lond. 1898.
- 5538 **Wodiska, J.** Book of precious stones. New York 1909.
- 5538 **Smith, J.** Semi-precious stones of Carrick.
(4142) Kilwinning [1910].

•56 PALÆONTOLOGY.

- B.M. '56 **British Museum.** List of casts of fossils. Lond. 1906.
'56 **Palaeontologia universalis.** Centuria 1→
[Berl.] 1903→
'5602 **Nicholson, H. A., and Lydekker, R.** Manual of palaeontology. 2 vols. Edin. 1889.
'5602 **Zittel, K. A. von.** Text-book of palaeontology. Vol. 1→
Lond. 1913→

·5606 SOCIETIES.

- 5606(42) **Geological survey—Great Britain.** Memoirs. Palæontology. Vol. 1→ Glasg. 1908→
- P.S. ·56069 **Palæontographical society.** Lists of members, monographs, etc. 1867→ [Lond.] 1868→
- P.S. ·56 **PALÆONTOGRAPHICAL SOCIETY.** Publications. Lond. 1848→

·56(·) STRATIGRAPHICAL AND REGIONAL
PALÆONTOLOGY.

- 56(114) **Clarke, J. M.** Fosséis devonianos do Paraná. [*Portu-
: 8142)* *guese and English.*] Rio de Janeiro 1913.
- P.S. ·56 **King, W.** Permian fossils of England. Lond. 1850.
(115:42)
- P.S. ·56 **Blake, J. F.** Fauna of the Cornbrash. Lond. 1907.
(1162)
- 56(42) **Etheridge, R.** Fossils of the British Islands strati-
graphically and zoologically arranged. Vol. 1→
Oxf. 1888→
- 56:578 **Renault, B.** Sur quelques microorganismes des com-
bustibles fossiles. St. Étienne 1900.

·56 PALÆONTOLOGY

·561 FOSSIL PLANTS.

- 561 **Dawson, Sir J. W.** Geological history of plants.
Lond. 1888.
- 561 **Pelourde, F.** Paléontologie végétale. Paris 1914.
- 561 **Potonié, H., and Gothan, W.** Paläobotanisches Praktikum.
Berl. 1913.
- 561 **Scott, D. H.** Studies in fossil botany. Lond. 1900.
- 561 **Seward, A. C.** Fossil plants. 4 vols.
Camb. 1898-1919.
- 561 **Solms-Laubach, H.** Fossil botany. Oxf. 1891.
- B.M. ·561 **British Museum.** Catalogue of the palæozoic plants in
(112) the British Museum. By R. Kidston. Lond. 1886.
- 561(114) **Arber, E. A. N.** Devonian floras. Camb. 1921.
- P.S. ·561 **Binney, E. W.** Structure of fossil plants found in the
(115) carboniferous strata. Lond. 1875.
- 561(115) **Jongmans, W. J.** Anleitung zur Bestimmung der
Karbonpflanzen West-Europas. Vol. 1.
[s-Gravenhage 1911.]
- B.M. ·561 **British Museum.** Catalogue of the fossil plants of the
(115:54) glossopteris flora, being a monograph of the permo-
carboniferous flora of India. By A. E. N. Arber.
Lond. 1905.
- B.M. ·561 — Catalogue of the mesozoic plants in the British
(116) Museum. By A. C. Seward. 4 vols.
Lond. 1894-1904.
- B.M. ·561 — Catalogue of mesozoic plants in the British
(116) Museum. By M. C. Stopes. Pt. 1→ Lond. 1913→
- f. ·561 **Zigno, A. di, Baron.** Flora fossilis formationis ooli-
(1162) thicae. 2 vols. Padova 1856-85.
- 561 **Hartz, N.** Bidrag til Danmarks tertiære og diluviale
(118:489) flora. (Atlas.) Kjøbenhavn 1909.
- 561 **Penhallow, D. P.** Tertiary plants of British Columbia.
(118:711) Ottawa 1908.
- P.S. ·561 **Gardner, J. S., and Ettinghausen, C. B.** British
(1181:42) eocene flora. 2 vols. Lond. 1882-86.

56 PALÆONTOLOGY

- 561 **Seward, A. C.** Fossil plants as tests of climate.
:55156 Lond. 1892.
56159(7) **Wieland, G. R.** American fossil cycads. 2 vols.
Wash. 1906-16.
P.S.:5617 **Williamson, W. C.** Morphology and histology of
Stigmaria ficoides. Lond. 1887.

562 FOSSIL INVERTEBRATES.

- 562 **Abel, O.** Lehrbuch der Paläozoologie. Jena. 1900.
 B.M. 562 **British Museum.** Guide to fossil invertebrate animals.
 [By F. A. Bather.] Lond. 1907.
 562 **Neumayr, M.** Die Stämme des Thierreichs. Wirbellose
 Thiere. Vol. 1→ Wien 1889→
 562 **Woods, H.** Palæontology—invertebrate. Camb. 1902.
 P.S. 562 **Whidborne, G. F.** Devonian fauna of the south of
 (114:423) England. Vol. 1→ Lond. 1892→
 562(7) **Grabau, A. W., and Shimer, H. W.** North American
 index fossils. Invertebrates. 2 vols.
 New York 1909-10.

563 FOSSIL PROTOZOA, ETC.

- B.M.:56312 **British Museum.** Catalogue of the fossil Foraminifera.
By T. R. Jones. Lond. 1882.
- P.S.:56312 **Brady, H. B.** Carboniferous and permian Foraminifera.
(115) Lond. 1876.
- P.S.:56312 **Jones, T. R., and others.** Foraminifera of the Crag.
(1183) Lond. 1897.
- B.M.:5634 **British Museum.** Catalogue of the fossil sponges. By
G. J. Hinde. Lond. 1883.
- P.S.:5634 **Hinde, G. J.** British fossil sponges. Vol. 1→
(42) Lond. 1912→
- 5636 **Nicholson, H. A.** On the structure and affinities of the
genus *Monticulipora*. Edin. 1881.
- 5636 ——— Structure and affinities of the "Tabulate corals" of
(112) the palæozoic period. Edin. 1879.
- P.S.:5636 **Duncan, P. M.** British fossil corals. Second ser.
(42) Lond. 1872.

·56 PALÆONTOLOGY

- P.S.·5636 **Edwards, H. M., and Haime, J.** British fossil corals.
(42) Lond. 1854.
- P.S.·5637 **Elles, G. C., and Wood, E. M. R.** British graptolites.
(42) Lond. 1918.
- P.S.·5637 **Nicholson, H. A.** British stromatoporoids.
(42) Lond. 1892.
- P.S.·5639 **Wright, T.** British fossil Echinodermata of the oolitic
(1116:42) formations. 2 vols. Lond. 1857-80.
- P.S.·5639 — British fossil Echinodermata from the cretaceous
(1117:42) formation. Vol. 1→ Lond. 1882→
- P.S.·5639 **Forbes, E.** Echinodermata of the British tertiaries.
(1118:42) Lond. 1852.
- B.M.·5639I **British Museum.** Catalogue of Blastoidea in the British
Museum. By R. Etheridge and P. H. Carpenter.
Lond. 1886.
- B.M.·5639I — Genera and species of Blastoidea. By F. A.
Bather. Lond. 1899.

·564 FOSSIL MOLLUSCA.

- P.S.·564 **Morris, J., and Lycett, J.** Mollusca from the great
(1116:427) oolite, chiefly from Minchinhampton and the coast
of Yorkshire. With supplement. Lond. 1854-63.
- B.M.·564 **British Museum.** Catalogue of tertiary Mollusca in the
(1118) British Museum. By G. F. Harris. Pt. 1→
Lond. 1897→
- B.M.·564 — List of the Frederick E. Edwards collection of
(11181:42) British oligocene and eocene Mollusca. By R. B.
Newton. Lond. 1891.
- P.S.·564 **Wood, S. V.** Crag Mollusca, with description of shells
(11183:42) from the upper tertiaries of the British Isles. 3 vols.
Lond. 1848-82.
- P.S.·564I **Hind, W.** Carbonicola, Anthracomya, and Naiadites.
Lond. 1896.
- P.S.·564I — British carboniferous Lamellibranchiata. Vol. 1→
(1115:42) Lond. 1896→
- P.S.·564I **Woods, H.** Cretaceous Lamellibranchia of England.
(1117:42) Vol. 1→ Lond. 1903→

56 PALÆONTOLOGY

- P.S. 5641 **Wood, S. V.** Eocene bivalves of England. Vol. 1→
(1181:42) Lond. 1861→
- P.S. 5641 **Lycett, J.** British fossil Trigoninae. With supplement.
(42) Lond. 1872-83.
- P.S. 5643 **Reed, F. R. C.** Monograph of the British ordovician and
(113:42) silurian Bellerophontacea. Pt. 1→ Lond. 1920→
- P.S. 5643 **Hudleston, W. H.** Inferior oolite Gasteropoda, being
(1162:42) Pt. 1 of British jurassic Gasteropoda. Lond. 1896.
- P.S. 5644 **Slater, I. L.** British Conulariae. Lond. 1907.
(42)
- B.M. 5645 **British Museum.** Catalogue of the fossil Cephalopoda
in the British Museum. By A. H. Foord and G. C.
Crick. Lond. 1888-97.
- B.M. 5645 — List of types and figured specimens of fossil Cepha-
lopoda. By G. C. Crick. Lond. 1898.
- 5645 **Smith, J. P.** Acceleration of development in fossil
Cephalopoda. Stanford Univ. 1914.
- P.S. 5645 **Foord, A. H.** Carboniferous Cephalopoda of Ireland.
(115:415) Lond. 1903.
- P.S. 5645 **Sharpe, D.** Fossil remains of Mollusca found in the
(117:42) chalk of England. Cephalopoda. Lond. 1909.
- P.S. 5645 **Edwards, F. E., and Wood, S. V.** Eocene Cephalo-
(1181:42) poda and univalves of England. Vol. 1→
Lond. 1849→
- 5645(42) **Blake, J. F.** Monograph of the British fossil Cephalo-
poda. Pt. 1. Lond. 1882.
- P.S. 56453 **Buckman, S. S.** Ammonites of "Inferior oolite
(1162:42) series". Vol. 1→ Lond. 1907→
- P.S. 56453 [**Woodward, A. S.**] Illustrations of Inferior oolite
(1162:42) ammonites. Lond. 1908.
- P.S. 56453 **Wright, T.** Lias ammonites of the British Islands.
(1162:42) 2 vols. Lond. 1878-86.
- P.S. 56455 **Phillips, J.** British Belemnitidae—Jurassic.
(1162:42) Lond. 1909.

56 PALÆONTOLOGY

5647 FOSSIL POLYZOA.

- B.M. 5647 **British Museum.** Catalogue of the fossil Bryozoa in
(1162) the British Museum. Jurassic Bryozoa. By J. W.
Gregory. Lond. 1896.
- B.M. 5647 **British Museum.** Catalogue of the fossil Bryozoa in
(117) the British Museum. Cretaceous Bryozoa. By J.
W. Gregory. Vol. 1→ Lond. 1899→
- P.S. 5647 **Busk, G.** Fossil Polyzoa of the Crag. Lond. 1859.
(118)

5648 FOSSIL BRACHIOPODA.

- 5648 **Hall, J., and Clarke, J. M.** Introduction to the study
of the Brachiopoda. 2 vols. 1894-95.
- P.S. 5648 **Davidson, T.** British fossil Brachiopoda. 6 vols.
(42) Lond. 1851-86.

5653 FOSSIL CRUSTACEA.

- B.M. 5653 **British Museum.** Catalogue of British fossil Crustacea.
(42) By H. Woodward. Lond. 1877.
- P.S. 56531 **Jones, T. R., and Hinde, G. J.** Cretaceous Entomo-
(117:42) straca of England and Ireland. Lond. 1890.
- P.S. 56531 **Jones, T. R.** Entomostraca of the cretaceous forma-
(117:42) tion of England. (Supplement.) Lond. 1849-(1890).
- P.S. 56531 **Jones, T. R., and Sherborn, C. D.** Tertiary Ento-
(118:42) mostraca of England. 2 pts. Lond. 1856-89.
- P.S. 56531 **Brady, G. S., and others.** Post-tertiary Entomostraca
(119:41) of Scotland, including species from England and
Ireland. Lond. 1874.
- P.S. 56532 **Jones, T. R.** Fossil Estheriæ. Lond. 1862.
- P.S. 56532 **Jones, T. R., and Woodward, H.** British palæozoic
(112:42) Phyllopoda. Lond. 1899.
- P.S. 56533 **Jones, T. R., and others.** British fossil bivalved Ento-
(115:42) mostraca from the carboniferous formations. Pt. 1→
Lond. 1884→
- P.S. 56535 **Darwin, C.** Fossil Balanidæ and Vernicidæ of Great
(42) Britain. Lond. 1854.
- P.S. 56535 — Fossil Lepadidæ, or pedunculated cirripedes of
(42) Great Britain. Lond. 1851.
- P.S. 56536 **Bell, T.** Fossil malacostracous Crustacea of Great
(42) Britain. Pt. 1/2→ Lond. 1913→

·56 PALÆONTOLOGY

P.S.·565391 **Woodward, H.** British fossil Crustacea belonging to
(42) the order Merostomata. Lond. 1878.

P.S.·565393 **Reed, F. R. C.** Lower palæozoic trilobites of the
(112:4142) Girvan district, Ayrshire. (Supplement.)
Lond. 1906-(1914).

P.S.·565393 **Salter, J. W.** British trilobites from the Cambrian,
(112:42) Silurian, and Devonian formation. Lond. 1883.

P.S.·565393 **Woodward, H.** British carboniferous trilobites.
(115:42) Lond. 1884.

·5654 FOSSIL ARACHNIDA.

P.S.·5654 **Pocock, R. I.** Terrestrial carboniferous Arachnida.
(115:42) Lond. 1911.

·566 FOSSIL VERTEBRATES.

·566 **Lankester, Sir E. R.** Extinct animals. Lond. 1906.

·566 **Pelly, S. A.** Glossary and notes on vertebrate palae-
ontology. Lond. [1918].

·566 **Woodward, A. S.** Outlines of vertebrate palæontology.
Camb. 1898.

·566 **Case, E. C.** Environment of vertebrate life in the late
(112:7) Paleozoic in North America. Wash. 1919.

·566 ——— Permo-carboniferous red beds of North America
(115:73) and their vertebrate fauna. Wash. 1915.

·566 **Case, E. C., and others.** Permo-carboniferous verte-
(115:789) brates from New Mexico. Wash. 1913.

·566(42) **Woodward, A. S., and Sherborn, C. D.** Catalogue of
British fossil Vertebrata. Lond. 1890.

·566:596 **Jaekel, O.** Die Wirbeltiere, eine Übersicht über die
fossilen und lebenden Formen. Berl. 1911.

·567 FOSSIL FISHES.

B.M.·567 **British Museum.** Catalogue of fossil fishes. By A. S.
Woodward. Pt. 1→ Lond. 1889→

P.S.·567 **Lankester, Sir E. R., and Traquair, R. H.** Fishes of
(114:42) the Old red sandstone of Britain. Lond. 1914.

·567 **Case, E. C.** Revision of the Amphibia and Pisces of
(115:7) the Permian of North America. Wash. 1911.

·56 PALÆONTOLOGY

- P.S.·567 **Woodward, A. S.** Fossil fishes of the English chalk.
(117:42) Lond. 1912.
- P.S.·5674 **Miall, L. C.** The Sirenoid ganoids. Lond. 1907.
- P.S.·5674 **Traquair, R. H.** Ganoid fishes of the British carboni-
(115:42) ferous formations. Pt. 1—Palæoniscidæ.
Lond. 1914.

·5676 FOSSIL AMPHIBIA.

- 5676 **Moodie, R. L.** Coal measures Amphibia of North
(115:7) America. Wash. 1916.

·5681 FOSSIL REPTILES.

- B.M.·5681 **British Museum.** Catalogue of the fossil Reptilia and
Amphibia. By R. Lydekker. 4 vols.
Lond. 1888-90.
- 5681 **Seeley, H. G.** Dragons of the air: an account of
extinct flying reptiles. Lond. 1901.
- 5681 **Case, E. C.** Pelycosauria of North America.
(115:7) Wash. 1907.
- P.S.·5681 **Owen, Sir R.** Fossil Reptilia of the mesozoic formations.
(116) Lond. 1889.
- P.S.·5681 — Fossil Reptilia of the liassic formations.
(1162) Lond. 1881.
- P.S.·5681 — Reptilia of the Kimmeridge clay and Portland stone.
(1162) Lond. 1889.
- P.S.·5681 — Fossil Reptilia of the cretaceous formations.
(117) Lond. 1864.
- P.S.·5681 — Fossil Reptilia of the Wealden and Purbeck forma-
(117) tions. With 9 supplements. 2 vols. Lond. 1853-89.
- P.S.·5681 **Owen, Sir R., and Bell, T.** Fossil Reptilia of the
(1181) London clay. Vols. 1, 2, pt. 1. Lond. 1858-80.
- B.M.·5681 **Owen, Sir R.** Catalogue of the fossil Reptilia of South
(68) Africa. Lond. 1876.
- 5681(7) **Case, E. C.** Cotylosauria of North America.
Wash. 1911.
- 56813(7) **Hay, O. P.** Fossil turtles of North America.
Wash. 1908.

·56 PALÆONTOLOGY

·5682 FOSSIL BIRDS.

- B.M.·5682 **British Museum.** Catalogue of fossil birds. By R. Lydekker. Lond. 1891.

·569 FOSSIL MAMMALS.

- B.M.·569 **British Museum.** Catalogue of the fossil Mammalia. By R. Lydekker. 5 vols. Lond. 1885-87.
- B.M.·569 ——— Guide to the fossil remains of man. Lond. 1915.
- P.S.·569 **Owen, Sir R.** Fossil Mammalia of the mesozoic formations. (1116) Lond. 1871.
- P.S.·569 **Dawkins, W. B., and Sanford, W. A.** British pleistocene Mammalia. Vol. 1→ Lond. 1872→
- 569(7:8) **Scott, W. B.** History of land mammals in the Western hemisphere. New York 1913.
- P.S.·5695 **Owen, Sir R.** British fossil Cetacea from the Red Crag. (1183:42) Lond. 1889.
- 5696 **Herz, O.** Berichte des Leiters der von der kaiserlichen Akademie der Wissenschaften zur Ausgrabung eines Mammuthkadavers. St. Pétersbourg, 1902.
- P.S.·56961 **Adams, A. L.** British fossil elephants. (42) Lond. 1881.

·57· BIOLOGY.

- 5701 **Brooks, W. K.** Foundations of zoology. New York 1899.
- 5701 **Driesch, H.** Science and philosophy of the organism. 2 vols. Abd. 1908-09.
- 5701 — Der Vitalismus als Geschichte und als Lehre. Leip. 1905.
- 5701 **Haeckel, E.** Wonders of life. Lond. 1904.
- 5701 **Hertwig, O.** Biological problem of to-day. Lond. 1896.
- 5701 **Johnstone, J.** The Philosophy of biology. Camb. 1914.
- 5701 **Massart, J.** Éléments de biologie générale et de botanique. Vol. 1→ Brux. 1920→
- 1928 **Spencer, H.** Principles of biology. 2 vols. Lond. 1898-99.
- 5701 **Thomson, J. A.** The Bible of nature. Edin. 1908.
- 5701 — The Wonder of life. Lond. [1915].
- 5702 **Calkins, G. N.** Biology. New York [1914].
- 5702 **Mitchell, P. C.** Outlines of biology. Lond. 1902.
- 5702 **Parker, T. J.** Elementary biology. Lond. 1891.
- 5702 **Wells, H. G.** Text-book of biology. 2 pts. Lond. [1892-93].
- 5704 **Abbott, C. C.** Travels in a tree-top. Lond. 1894.
- 5704 **Dendy, A.** Animal life and human progress. Ed. A. D. Lond. 1919.
- 5704 **Driesch, H.** Analytische Theorie der organischen Entwicklung. Leip. 1894.
- 5704 — Die Biologie als selbständige Grundwissenschaft. Leip. 1893.
- 5704 — Die Lokalisation morphogenetischer Vorgänge. Leip. 1899.

·57 BIOLOGY

- 5704 **Driesch, H.** Naturbegriffe und Natururteile.
Leip. 1904.
- 5704 ——— Die Organischen Regulationen. Leip. 1901.
- 5704 ——— Die Seele als elementarer Naturfaktor. Leip. 1903.
- 5704 **Loeb, J.** The Mechanistic conception of life.
Chicago [1912].
- 5704 **Metchnikoff, É.** The Nature of man. Lond. [1916].
- 5704 **Miall, L. C.** House, garden, and field. Lond. 1904.
- 5704 ——— Round the year. Lond. 1896.
- 5704 **Rennie, J.** Aims and methods of nature study.
Lond. 1910.
- 5704 **Thomson, J. A.** Natural history of the year.
Lond. [1901].
- 5704 ——— Secrets of animal life. Lond. 1919.
- 20826 ——— The System of animate nature. 2 vols.
Gif. S. 9 Lond. 1920.

·5705 PERIODICALS.

- 5705 A.S. **Annales des sciences naturelles.** Ser. I., 30 vols.;
Ser. III., 20 vols.; Ser. IV., vols. 1-12. [*See also*
·5805 and ·5905.] Paris 1824-59.
- 5705 A. **Annals and magazine of natural history.**
Magazine of natural history. Ser. I., 9 vols.; Ser.
II., vols. 1-2. Lond. 1829-38
Magazine of zoology and botany. 2 vols.
Edin. 1837-38.
Annals and magazine of natural history. Ser. I.-VIII.;
IX., vol. 1→ Lond. 1838→
- 5705 A.B. **Année biologique.** Vol. 1→ Paris 1897→
- 5705 A.I. **Archives italiennes de biologie.** Vols. 49-58.
Genova, Pisa 1908-12.
- 5705 B.C. **Biologisches Zentralblatt.** Vol. 1→ Erlangen 1881→
- 5705 B. **Biometrika.** Vol. 1→ Camb. 1901→
- 5705 I.N. **Irish naturalist.** Vol. 3-8, 22→ Dubl. 1894→

·57 BIOLOGY

·5705 E.B. **Journal of zoological research.**

Journal of economic biology. 10 vols.

Lond. 1906-15.

Journal of zoological research. 3 vols.

Lond. 1916-18.

·5705 Na. **Naturalist.** 1886→

Lond. 1886→

·5705 S.P. **Science progress in the 20th century.** Vol. 1→

Lond. 1907→

·5705 V. **Vasculum.** Vol. 1→

Sunderland 1915→

·5705 Z. **Zeitschrift für Biologie.** Vol. 22→

Leip. 1886→

·5705 **Annals of Scottish natural history.**

(41) A.S. Scottish naturalist. Vols. 1-11. Perth 1872-91.

Annals of Scottish natural history. 20 vols.

Edin. [1892-1911].

[See also ·5905(41) S.N.]

·5706 SOCIETIES.

·5706 **Drapers' Company research memoirs.** Biometric

D.C. 1 series. 1→

Lond. 1904→

·5706 ——— **Studies in national deterioration.** 2→

D.C. 2

Lond. 1907→

·5706 **Orkney natural history society.** Orcadian papers.

(4112) N.S. 1887-1904.

Stromness 1905.

·5706 **Aberdeen working men's natural history and**

(4125) W.M. **scientific society.** Trans. Vol. 1→ [Abd. 1906]→

·5706 **Perthshire society of natural science.** Proc. 1880/81-

(4132) P. 1885/86.

Perth 1886.

—— Proc. [N.S.]. Vol. 1→

Perth 1893→

·5706 ——— **Trans.** Vol. 1→

Perth 1893→

(4132) T.

·5706 **Natural history and archeological society (Stirling**

(4136) S.N. **Field club).** Trans. 1878/79, 1880 81-1892/93,

1894/95→

Stirling 1881→

·5706 **Buteshire natural history society.** Trans. Vol. 1→

(4139) B.N.

Rothesay 1908→

·5706 **Paisley naturalists' society.** Trans. Vol. 1→

(4141) P.N.

Paisley 1912→

- 5706 **Andersonian naturalists' society.** Annals. [Vol. 1]→
(4143) A.N. Glasg. 1893→
- 5706 **Natural history society of Glasgow.** Proc. [Ser. I.],
(4143) N.H. 5 vols. Glasg. 1869-84.
— Proc. and Trans. Ser. II., 8 vols. Glasg. 1887-1911.
— Journal: The Glasgow naturalist. Vol. 1→
Glasg. 1909→
- 5706 **Edinburgh field naturalists' and microscopical**
(4144) E.F. **society.** Trans. 1881→ Vol. 1→ [Edin.] 1886→
- 5706 **Physical society of Edinburgh, Royal.** Proc. Vol.
(4144) P. 2→ Edin. 1863→
- 5706 **Berwickshire naturalists' club.** History. Vol. 5→
(4145) Alnwick 1868→
- 5706 **Dumfriesshire and Galloway natural history and**
(4148) **antiquarian society.** Trans. and journal of proc.
1883/84→ Dumfries 1887→
- 5706 **Natural history society of Northumberland, Dur-**
(4282) **ham, and Newcastle-upon-Tyne.**
Natural history society of Northumberland, Durham,
and Newcastle-upon-Tyne. Trans. Vol. 1.
Newcastle 1831.
Tyneside naturalists' field club. Trans. 1846/50-
1863/64. Vols. 1-6.
Newcastle-upon-Tyne 1850-64.
Natural history trans. of Northumberland and Dur-
ham. 1865/7-[1902]. Vols. 1-15.
Lond. 1867-1913.
Natural history society of Northumberland, Dur-
ham, and Newcastle-upon-Tyne. Trans. N.S.
[1903]→. Vol. 1→ Lond. 1907→
- 5706 **Naturwissenschaftlicher Verein zu Bremen.** Ab-
(4352) N.V. handlungen. Vol. 4→. (Jahresbericht 9→)
Bremen 1875→

57 BIOLOGY

- 063 **Akademie der Wissenschaften [zu Wien]:** math. naturw. Klasse. Sitzungsab. Abt. I. (Biologie.) Vols. 43-64. Wien 1861-1871.
- 5706 ——— Abt. I. Vol. 65→ Wien 1872→
(436) s.
- 5706 **Zoologisch-botanische (Verein) Gesellschaft in Wien.** (436) z.B. Verhandlungen. Vol. 1-3, 5→ Wien 1852→
- 5706 **Naturforschender Verein in Brünn.** Verhandlungen. (4372) n.v. Vols. 1-13. Brünn 1863-75.
- 506 **Musée du Congo.** Annales. Ethnographie et anthropologie. Ser. I.→ Brux. 1898→
(493) M.
- 5706 **Asiatic society of Bengal.** Journal. Pt. 2—Physical science. Vol. 35→ Calcutta 1867→
(541) ——— Pt. 3—Anthropology. Vol. 62-63, 65, 67→ Calcutta 1896→
- 5706 **Carnegie Institution—Department of marine biology.** (73) c.i. Papers. Vol. 1→ Wash. 1908→
- 5706 **Academy of natural sciences of Philadelphia.** Proc. (748) 1871→ Philad. 1871→
- 5706 **Princeton University.** Contributions from biological laboratories. Vol. 3→ Princeton 1912→
(749)

•5707-5709.

- 5707 **Huxley, T. H.** Course of practical instruction in elementary biology. By T. H. Huxley, assisted by H. N. Martin. Lond. 1875.
- 57081 **Vries, H. de.** Opera e periodicis collata. Vol. 1→ Utrecht 1918→
- 57081 **Whitman, C. O.** Posthumous works. 3 vols. Wash. 1919.
- 57082 **Bayliss, W. M., and others.** Life and its maintenance. Lond. 1919.
- 57082 **Société de biologie.** Cinquantenaire. Volume jubilaire. Paris 1899.
- 57082 **Ziegler, H. E.** Natur und Staat: Beiträge zur naturwissenschaftlichen Gesellschaftslehre. Hrsg. H. E. Z., etc. Vol. 1→ Jena 1903→

57 BIOLOGY

- 570821 **MONOGRAPHS ON EXPERIMENTAL BIOLOGY.**
 Mon. Philad. [1918]→
1. **Loeb, J.** Forced movements, tropisms, and animal conduct. [1918.]
 2. **Parker, G. H.** The Elementary nervous system. [1919.]
 3. **Morgan, T. H.** The Physical basis of heredity. [1919.]
 4. **East, E. M., and Jones, D. F.** Inbreeding and outbreeding. [1919.]
 5. **Harvey, E. N.** The Nature of animal light. [1920.]
- 57084 **Howes, G. B.** Atlas of practical elementary biology.
 Lond. 1885.
- 5709 **Thomson, J. A.** Science of life: an outline of the history of biology. Lond.
- 016:57 **Royal Society.** International catalogue of scientific literature. Biology. [1901→] Lond. 1903→
- 57092 **Bompas, G. C.** Life of Frank Buckland. Lond.
- B.M. 57092 **British Museum.** Memorials of Charles Darwin.
 Lond. 1909.
- 57092 **Dall, W. H.** Spencer Fullerton Baird, a biography.
 Philad. 1915.
- 57092 **Linnean society of London.** Darwin-Wallace celebration, 1908. Lond. 1908.
- 57092 **Pearson, K.** Life, letters and labours of Francis Galton.
 Vol. 1→ Camb. 1914→
- 57092 **Seward, A. C.** Darwin and modern science, essays.
 Ed. A. C. S. Camb. 1909.
- 57(26)06 **Liverpool marine biology committee.** Memoirs. 1→
 L.M. Liverpool 1899→
- 57(26)06 **Scottish marine biological association.** Report.
 S.M. 1899→ Glasg. 1900→
- 57(28) **Ward, H. B., and Whipple, G. C.** Fresh-water biology.
 New York 1917.
- 57:3 **Thomson, J. A.** Sociological appeal to biology. 1906.
- 57:5446 **Macmunn, C. A.** Spectrum analysis applied to biology and medicine. Lond. 1914.
- 57:55156 **Thomson, J. A.** Biology of the seasons. Lond. 1911.

·57 BIOLOGY

- 57 : 6I **Roberts, M.** Warfare in the human body.
Lond. [1920].
- f. ·57 : 7 **Haeckel, E.** Kunstformen der Natur. Leip. 1899-1904.

·57I ANTHROPOLOGY—PREHISTORIC.

- 57I **Avebury, Sir J. Lubbock, 1st baron.** Prehistoric times.
Lond. 1890.
- 57I **Dawson, Sir J. W.** Fossil men and their modern
representatives. Lond. 1888.
- 57I **Joly, N.** Man before metals. Lond. 1883.
- 57I **Keith, A.** Antiquity of man. Lond. 1915.
- 57I **Lyell, Sir C.** Geological evidences of the antiquity of
man. Lond. 1873.
- 57I **Nadaillac, J. F. A., Marquis de.** Les Premiers hommes
et les temps préhistoriques. 2 vols. Paris 1881.
- 57I **Sollas, W. J.** Ancient hunters and their modern re-
presentatives. Lond. 1911.
- 57I 106(4I) **Society of antiquaries of Scotland.** Proc. N.S.
A.P. Vol. 12→ Edin. 1890→
- 57I(119) **Wright, G. F.** Man and the glacial period.
Lond. 1892.
- 57I(123I) **Munro, R.** Palæolithic man and Terramara settle-
ments in Europe. Edin. 1912.
- 57I(4) **Geikie, J.** Antiquity of man in Europe. Edin. 1914.
- 57I(42) **Dawkins, W. B.** Early man in Britain. Lond. 1880.
- 57I(42) **Windle, B. C. A.** Remains of the prehistoric age in
England. Lond. 1904.
- 57I(5) **Pumpelly, R.** Explorations in Turkestan—expedition
of 1904. 2 vols. Wash. 1908.
- 57I(54) **Madras Government museum.** Foote collection of
Indian prehistoric and protohistoric antiquities.
Madras 1916.
- 57I 114(54) **Logan, A. C.** Old chipped stones of India.
Calcutta 1906.
- 57I 125(68) **Johnson, J. P.** Stone implements of South Africa.
Lond. 1907.

·57 BIOLOGY

- 57155(42) **Abercromby, J.** Bronze age pottery of Great Britain and Ireland. 2 vols. Oxf. 1912.
- 5717 **Balch, E. S., and E. M.** Art and man. Philad. 1918.
- 5717 **Reinach, S.** Répertoire de l'art quaternaire. Paris 1913.
- 5717 **Spearing, H. G.** The Childhood of art; or, The ascent of man. Lond. 1912.
- 5718(4) **Gould, S. Baring-.** Cliff castles and cave dwellings of Europe. Lond. 1911.

·572 ANTHROPOLOGY—ETHNOLOGIC.

- 572 **Boas, F.** Changes in bodily form of descendants of immigrants. New York 1912.
- 572 **Deniker, J.** Races of man: an outline of anthropology and ethnography. Lond. 1900.
- 572 **Frobenius, L.** The Childhood of man. Lond. 1909.
- 572 **Haddon, A. C.** Study of man. Lond. 1898.
- 572 **Keane, A. H.** Ethnology. Camb. 1896.
- 572 ——— Man, past and present. Camb. 1920.
- 572 **Keith, A.** Ancient types of man. Lond. 1911.
- 572 **Kraemer, H.** Der Mensch und die Erde. Hrsg. H. K. Vol. 1→ Berl. [1906]→
- 572 **Martin, R.** Lehrbuch der Anthropologie. Jena 1914.
- 572 **Nielson, Y.** Universitetets ethnografiske Samlinger, 1857-1907. Christiania 1907.
- 572 **Quatrefages, A. de.** The Human species. Lond. 1879.
- 572 **Ratzel, F.** History of mankind. 3 vols. Lond. 1896-98.
- 572 **Reclus, É.** Primitive folk, studies in comparative ethnology. Lond. [1891].
- 572 **Tylor, E. B.** Anthropology. Lond. 1881.
- 57204 **Duckworth, W. L. H.** Studies from the Anthropological laboratory, the Anatomy school, Cambridge. Camb. 1904.
- 57204 **Rivers, W. H. R., and others.** Present condition and future needs of the science of anthropology. Wash. 1913.

57 BIOLOGY

57205 A. **Anthropologie, L'.**

Revue d'anthropologie. Ser. III., 4 vols.

Paris [1886-89].

L'Anthropologie. Vol. 1→

Paris 1890→

57205 A.A. **Archiv für Anthropologie.** Vol. 17→

Braunsch. 1888→

57205 M. **Man: a monthly record of anthropological science.**

Vol. 1→

Lond. [1901]→

57206 A.I. **Anthropological Institute of Great Britain and Ireland.** Journal. Vol. 1→

Lond. 1872→

57206 H.T. **Henderson Trust.** Report. Vol. 1→

Edin. 1905→

57206(7) B. **Smithsonian Institution—Bureau of ethnology.**

Bulletin 1→

Wash. 1887→

57206(7) R. ——— Report 1→

Wash. 1881→

57208 **Tylor, E. B.** Anthropological essays presented to him.

Oxf. 1907.

572(∞) **Fishberg, M.** The Jews, a study of race. Lond. 1911.

572(32) **Smith, G. E.** Ancient Egyptians. Lond. 1911.

572(4) **Ihering, R. von.** Evolution of the Aryan. Lond. 1897.

572(4) **Ripley, W. Z.** Races of Europe. Lond. 1900.

572(4) **Sergi, G.** The Mediterranean race, a study of the origin of European peoples. Lond. 1901.

572(4) **Taylor, I.** Origin of the Aryans. Lond. [1889].

f. 572(52) **MacRitchie, D.** The Aïnos. Leiden 1892.

572(54) **Crooke, W.** Natives of Northern India. Lond. 1907.

572(54) **Russell, R. V., and Lāl, Rai Bahadur Hira.** Tribes and castes of Central Provinces. 4 vols. Lond. 1916.

572(54) **Thurston, E.** Castes and tribes of S. India. 7 vols. Madras 1909.

572(59) **Hagen, B.** Typical heads and faces of Eastern Asiatic and Melanesian peoples. Stuttg. 1907.

572(595) **Skeat, W. W., and Blagden, C. O.** Pagan races of the Malay Peninsula. 2 vols. Lond. 1906.

572(6) **Sutton, J. Bland-.** Man and beast in Eastern Ethiopia. Lond. 1911.

·57 BIOLOGY

- 572(669) **Leonard, A. G.** The Lower Niger and its tribes.
Lond. 1906.
- 572(669) **Talbot, D. A.** Woman's mysteries of a primitive
people. Lond. 1916.
- 572(678) **Weule, K.** Native life in East Africa. Lond. 1909.
- 572(68) **Stow, G. W.** Native races of South Africa. Ed. G. M.
Theal. Lond. 1905.
- 572(68) **Theal, G. M.** Ethnography and condition of South
Africa before A.D. 1505. Lond. 1919.
- 572(718) **Howley, J. P.** The Beothucks or Red Indians, the
aboriginal inhabitants of Newfoundland.
Camb. 1915.
- 572(911) **Hose, C., and McDougall, W.** Pagan tribes of Borneo.
2 vols. Lond. 1912.
- 572 **Brown, G.** Melanesians and Polynesians.
(93:96) Lond. 1910.
- 572(933) **Hadfield, E.** Among the natives of the Loyalty group.
Lond. 1920.
- 572(94) **Howitt, A. W.** Native tribes of South-East Australia.
Lond. 1904.
- 572(94) **Spencer, B.** Native tribes of Northern territory of
Australia. Lond. 1914.
- 572(94) **Spencer, B., and Gillen, F. J.** Northern tribes of
Central Australia. Lond. 1904.
- 572(94) **Thomas, N. W.** Natives of Australia. Lond. 1906.
- 572(943) **Banfield, E. J.** Tropic days. Lond. [1918].
- 572(95) **Cambridge Anthropological expedition.** Reports of
the Cambridge anthropological expedition to Torres
Straits. Vol. 3→ Camb. 1904→
- 572(95) **Newton, H.** In far New Guinea. Lond. 1914.
- 572(95) **Seligmann, C. G.** Melanesians of British New Guinea.
Camb. 1910.
- 572(98) **Rasmussen, K.** People of the Polar north. Ed. G.
Herring. Lond. 1908.

·573 NATURAL HISTORY OF MAN.

- B.M. ·573 **British Museum.** Guide to specimens illustrating
races of mankind. Lond. 1912.
- 573 **Jones, F. W.** Arboreal man. Lond. 1916.
- 573 **Leche, W.** Der Mensch. Jena 1911.
- 573 **MacDonald, A.** Plan for study of man. Wash. 1902.
- 573 **Ploss, H.** Das Weib in der Natur- und Völkerkunde.
Hrsg. M. Bartels. 2 vols. Leip. 1905.
- 573(42) **Macnamara, N. C.** Origin of British people. Lond. 1900.
- 573¹ **Huxley, T. H.** Evidence as to man's place in nature.
Lond. 1863.
- 573² **Schwalbe, G.** Studien zur Vorgeschichte des Mens-
chen. Stuttg. 1906.
- 5734 **Ribbert, H.** Die Bedeutung der Krankheiten für die
Entwicklung der Menschheit. Bonn 1912.
- 5735(4¹) **Tocher, J. F.** Pigmentation survey of school children
in Scotland. Abd. 1908.
- 5736 **Bertillon, A.** Identification anthropométrique. In-
structions signalétiques. Melun 1893.
- 5736 **Dreyer, G., and Hanson, G. F.** The Assessment of
physical fitness. Lond. 1920.
- 5736 **Galton, F.** Finger prints. Lond. 1892.
- 5736 **Roberts, C.** Manual of anthropometry. Lond. 1878.
- f. ·5737 **Indian Museum.** Craniological data from the Indian
Museum, Calcutta. Calcutta 1909.
- f. ·5737 **Davis, J. B., and Thurnam, J.** Crania Britannica.
(42) 2 vols. Lond. 1865.
- f. ·5739 **Hirst, B. C., and Piersol, G. A.** Human monstrosities.
3 pts. Edin. 1892-93.
- 5739 **Jansen, M.** Achondroplasia, its nature and its cause.
Lond. 1912.
- 5739 **Mall, F. P.** Causes underlying the origin of human
monsters. Philad. 1908.
- 5739 **Mohr, O. L., and Wriedt, C.** A New type of hereditary
brachyphalangy in man. Wash. 1919.

SPECIAL BIOLOGY.

575 EVOLUTION.

- 575 **Bergson, H.** Creative evolution. Lond. 1911.
- 575 **Butler, S.** Evolution, old and new. Lond. 1911.
- 575 — Life and habit. Lond. 1910.
- 575 **Darwin, C.** Descent of man. 2 vols. Lond. 1888.
- 575 — Origin of species. Lond. 1873.
- 575 **Dewar, D., and Finn, F.** Making of species.
Lond. 1909.
- 575 **Haeckel, E.** Evolution of man. 2 vols. Lond. 1905.
- 575 — History of creation. 2 vols. Lond. 1883.
- 575 — Last words on evolution. Lond. 1906.
- 575 — Riddle of the universe. Lond. 1900.
- 575 **Headley, F. W.** Life and evolution. Lond. 1906.
- 575 **Lock, R. H.** Recent progress in the study of variation,
heredity and evolution. Lond. 1906.
- 575 **Lotsy, J. P.** Evolution by means of hybridization.
The Hague 1916.
- 575 — Vorlesungen über Deszendenztheorien mit be-
sonderer Berücksichtigung der botanischen Seite
der Frage. 2 vols. Jena 1906-08.
- 575 **Lull, R. S.** Organic evolution. New York 1917.
- 575 **Lutz, F. E.** Experiments with *Drosophila ampelophila*
concerning evolution. Wash. 1911.
- 575 **McCabe, J.** Evolution of mind. Lond. 1910.
- 575 **Macfarlane, J. M.** Causes and course of organic
evolution. New York 1918.
- 575 **Morgan, T. H.** Critique of the theory of evolution.
Princeton 1916.
- 575 — Evolution and adaptation New York 1903.
- 575 **Osborn, H. F.** Origin and evolution of life. Lond. 1918.
- f. 575 **Pettigrew, J. B.** Design in nature. 3 vols.
Lond. 1908.

- f. 575 **Reichert, E. T., and Brown, A. P.** Differentiation and specificity of corresponding proteins and other vital substances in relation to biological classification and organic evolution. Crystallography of hemoglobins. Wash. 1909.
- 575 **Reid, G. A.** Present evolution of man. Lond. 1896.
- 575 **Robinson, L.** Wild traits in tame animals: studies in evolution. Edin. 1897.
- 575 **Romanes, G. J.** Darwin, and after Darwin. 3 vols. Lond. 1892-97.
- 575 ——— Scientific evidences of organic evolution. Lond. 1882.
- 575 **Saleeby, C. W.** Organic evolution. Lond. [1906].
- 575 **Shearman, J. N.** Natural theology of evolution. Lond. [1915].
- 575 **Thomson, J. A.** Darwinism and human life. Lond. 1909.
- 575 ——— Study of animal life. Lond. 1917.
- 575 **Vries, H. de.** Gruppenweise Artbildung. Berl. 1913.
- 575 **Weismann, A.** Evolution theory. 2 vols. Lond. 1904.
- 575 ——— Studies in the theory of descent. Lond. 1882.
- 575 **Willey, A.** Convergence in evolution. Lond. 1911.
- 575 **Wilson, A.** Chapters on evolution. Lond. 1883.
- 575○4 **Allen, G.** Vignettes from nature. Lond. 1881.
- 575○4 **Beecher, C. E.** Studies in evolution. New York 1901.
- 575○4 **Cope, E. D.** Origin of the fittest, essays on evolution. Lond. 1887.
- 575○4 **Gray, A.** Darwiniana, essays and reviews. New York 1877.
- 575○4 **Hart, D. B.** Phases of evolution and heredity. Lond. 1910.
- 575○4 **Jordan, D. S.** Foot-notes to evolution, a series of addresses. New York 1898.
- 575○4 **Poulton, E. B.** Essays on evolution. Oxf. 1908.
- 575○4 **Varigny, H. de.** Experimental evolution, lectures. Lond. 1892.

·57 BIOLOGY

- 57506 **International Eugenics congress**—1912. Problems
I.C.E. in eugenics. Lond. 1912.
- 57506 **London University**—Francis Galton laboratory for
E.L. national eugenics. Memoirs. 1→ Lond. 1907→
- 57507 **Baur, E.** Einführung in die experimentelle Verer-
bungslehre. Berl. 1911.
- 575082 **Royal society**—Evolution Committee. Reports. 1-5.
Lond. 1910.
- 57509 **Osborn, H. F.** From the Greeks to Darwin: an outline
of the development of the evolution idea;
New York 1894.
- 575092 **Packard, A. S.** Lamarek, the founder of evolution—his
life and work. New York 1901.
- 575 **Johnson, R. H.** Evolution in color-pattern of lady-
: 59576 beetles. Wash. 1910.
- 575 **Tower, W. L.** Evolution in chrysomelid beetles.
: 595763 Wash. 1906.
- 575 ——— Mechanism of evolution in Leptinotarsa:
: 595763 Wash. 1918.
- 575 : 61 **Adami, J. G.** Medical contributions to the study of
evolution. Lond. 1918.

·5751 HEREDITY.

- 5751 **Bateson, W.** Mendel's principles of heredity.
Camb. 1909.
- 5751 ——— Problems of genetics. New Haven 1913.
- 5751 **Butler, S.** Unconscious memory. Lond. 1910.
- 5751 **Castle, W. E., and others.** Heredity and eugenics.
Chicago [1912].
- 5751 **Conklin, E. G.** Heredity and environment.
Princeton 1915.
- 5751 **Correns, C., and Goldschmidt, R.** Die Vererbung und
Bestimmung des Geschlechtes. Berl. 1913.
- 5751 **Darbishire, A. D.** Breeding and the Mendelian dis-
covery. Lond. 1913.

57 BIOLOGY

- 5751 **Davenport, C. B.** Heredity in relation to eugenics.
Lond. 1912.
- 5751 **Delage, Y.** L'Hérédité, et les grands problèmes de la
biologie générale. Paris 1903.
- 5751 **Johannsen, W. L.** Elemente der exakten Erblieh-
keitslehre. Jena 1913.
- 5751 **Lucas, R. C.** Bradshaw lecture on some points in
heredity. Lond. 1912.
- 5751 **Macfie, R. C.** Heredity, evolution, and vitalism.
Bristol 1912.
- 5751 **Morgan, T. H., and others.** Mechanism of Mendelian
heredity. Lond. 1915.
- 5751 **Newman, H. H.** Biology of twins—mammals.
Chicago [1917].
- 5751 **Punnett, R. C.** Mendelism. Lond. 1919.
- 5751 **Reid, G. A.** Principles of heredity. Lond. 1906.
- 5751 **Ribot, T. A.** Heredity. Lond. 1875.
- 5751 **Romanes, G. J.** Examination of Weismannism.
Lond. 1893.
- 5751 **Thomson, J. A.** Heredity. Lond. 1908.
- 5751 **Weismann, A.** Essays upon heredity and kindred
biological problems. 2 vols. Oxf. 1891-92.
- 5751 ——— Germ-plasm, a theory of heredity. Lond. 1893.
- 5751 **Davenport, C. B.** The Feebly inhibited. Wash. 1915.
: 136
- 5751 **Hering, E.** Über das Gedächtnis als eine allgemeine
: 136 Funktion der organisierten Materie. Leip. 1905.
- 5751 **Cannon, W. A.** Studies in heredity. Wash. 1909.
: 58142
- 5751 **Morgan, T. H., and Bridges, C. B.** Sex-linked in-
: 59577 heritance in *Drosophila*. Wash. 1916.
- 5751 **Kellogg, V. L.** Inheritance in silkworms. 1→
: 59578 Stanford Univ. 1908→
- 5751 **Castle, W. E.** Heredity of coat-characters in guinea-
: 59932 pigs and rabbits. Wash. 1905.

57 BIOLOGY

- 5751 { **Castle, W. E., and Forbes, A.** Heredity of hair-
 : 59932 { length in guinea-pigs.
 { **Castle, W. E.** Origin of a polydactylous race of
 { guinea-pigs. Wash. 1906.
- 5751 **Castle, W. E., and Wright, S.** Inheritance in guinea-
 : 59932 pigs and rats. Wash. 1916.
- 5751 **Castle, W. E., and Phillips, J. C.** Piebald rats and
 : 59932 selection. Wash. 1914.
- 5751 { **Castle, W. E.** Reversion in guinea-pigs.
 : 59932 { **Little, C. C.** Inheritance of color in mice.
 { Wash. 1913.
- 5751 **Castle, W. E.** Studies of heredity in rabbits, rats, and
 : 59932 mice. Wash. 1919.
- 5751 **Detlefsen, J. A.** Genetic studies on a cavy species
 : 59932 cross. Wash. 1914.
- 5751 **McCurdy, H., and Castle, W. T.** Selection in relation
 : 59932 to coat-pigments. Wash. 1907.
- 5751 **Davenport, C. B.** Heredity of skin color in negro-
 : 61177 white crosses. Wash. 1913.
- 5751 — Inheritance in poultry. Wash. 1906.
 : 63651
- 5751 — Inheritance of characteristics in domestic fowl.
 : 63651 Wash. 1909.
- 5751 — Inheritance in canaries. Wash. 1908.
 : 6366
- 5751 **Castle, W. E.** Inheritance in rabbits. Wash. 1909.
 : 6369
- 5751 **Macdowell, E. C.** Size inheritance in rabbits.
 : 6369 Wash. 1914.
- 5751 : 92 **Davenport, C. B.** Naval officers—their heredity and
 development. Wash. 1919.

5752 VARIATION.

- 5752 **Bateson, W.** Materials for the study of variation.
 Lond. 1894.
- 5752 **Darwin, C.** Variation of animals and plants. 2 vols.
 Lond. 1868.

·57 BIOLOGY

- 5752 **Pringsheim, H.** Die Variabilität niederer Organismen.
Berl. 1910.
- 5752 **Vernon, H. M.** Variation in animals and plants.
Lond. 1903.
- 5752 **Vries, H. de.** Mutation theory. 2 vols.
Lond. 1910-11.
- 5752 ——— Species and varieties. Chicago 1905.
- 5752 **Shull, G. H.** Bursa bursa-pastoris and Bursa heegeri,
: 583123 biotypes and hybrids. Wash. 1909.
- 5752 **Stout, A. B.** Establishment of varieties in Coleus.
: 583891 Wash. 1915.
- 5752 **Pearl, R.** Variation in Ceratophyllum. Wash. 1907.
: 583987
- 5752 **Crampton, H. E.** Studies on the variation, distribu-
: 5943 tion, and evolution of the genus Partula. The
species inhabiting Tahiti. Wash. 1916.
- 5752 **Lutz, F. E.** Variations of certain characters of Gryllus.
: 59572 Wash. 1908.
- 5752 **Pearl R., and Clawson, A. B.** Variation in the cray-
: 597 fish. Wash. 1907.

·5753 ENVIRONMENT.

- 5753 **Henderson, L. J.** Fitness of the environment.
New York 1913.
- 5753 **Semper, K.** Natural conditions of existence as they
affect animal life. Lond. 1881.

·5754 NATURAL SELECTION.

- 5754 **Coe, C. C.** Nature *versus* natural selection. Lond. 1895.
- 5754 **Sturtevant, A. H.** An Analysis of the effects of selec-
tion. Wash. 1918.
- 5754 **Wallace, A. R.** Darwinism: an exposition of the theory
of natural selection. Lond. 1889.
- 5754 ——— Natural selection and tropical nature. Lond. 1891.

·57 BIOLOGY

·5757 DEGENERATION.

- 5757 **Demoor, J., and others.** Evolution by atrophy in biology and sociology. Lond. 1899.
- 5757 **Estabrook, A. H.** The Jukes in 1915. Wash. 1916.
- 5757 **Key, W. E.** Heredity and social fitness. Wash. 1920.
- 5757 **Sutton, J. B.** Evolution and disease. Lond. 1890.
- 5757 **Talbot, E. S.** Degeneracy, its causes, signs and results. Lond. 1898.

·576 ORIGIN OF LIFE.

- 576 **Le Dantec, F.** Nature and origin of life. Lond. 1907.
- 57604 **Pasteur, L.** Die in der Atmosphäre vorhandenen organisirten Körperchen, Prüfung der Lehre von der Urzeugung. Leip. 1892.
- 576:56 **Steinmann, G.** Die Geologischen Grundlagen der Abstammungslehre. Leip. 1908.

·5763 CELLS.

- 5763 **Doncaster, L.** Introduction to the study of cytology. Camb. 1920.
- 5763 **Hertwig, O.** Allgemeine Biologie: zweite Auflage des Lehrbuchs "Die Zelle und die Gewebe". Jena 1906.
- 5763 **Labbé, A.** La Cytologie expérimentale. Paris 1898.
- 5763 **Macfadyen, A.** The Cell as the unit of life. Lond. 1908.
- 5763 **Minot, C. S.** Problem of age, growth and death. Lond. 1908.
- 5763 **Verworn, M.** Die Biogenhypothese. Jena 1903.
- 5763 **Walker, C. E.** Essentials of cytology. Lond. 1907.
- 5763 **Wilson, E. B.** The Cell in development and inheritance. New York 1911.
- 5763:58 **Laughlin, H. H.** Duration of the several mitotic stages in the dividing root-tip cells of the common onion. Wash. 1919.

·5768 BACTERIOLOGY.

- 5768 **Bary, A. de.** Lectures on bacteria. Oxf. 1887.
- 5768 **Benecke, W.** Bau und Leben der Bakterien.
Leip. 1912.
- 5768 **Duclaux, E.** Traité de microbiologie. 4 vols.
Paris 1898-1901.
- 5768 **Fischer, A.** Vorlesungen ueber Bakterien. Jena 1903.
- 5768 **Küster, E.** Kultur der Mikroorganismen. Leip. 1907.
- 5768 **Marshall, C. E.** Microbiology. Lond. [1917].
- 5768 **Molisch, H.** Die Eisenbakterien. Jena 1910.
- 5768 — Die Purpurbakterien. Jena 1907.
- 5768 **Rodet, A.** De la variabilité dans les microbes.
Paris 1894.
- 5768 **Woodhead, G. S.** Bacteria and their products.
Lond. 1891.
- 576805 **Journal of bacteriology.** Vol. 5→
J.B. Baltimore, Md. 1920→
- 5768 **Ellis, D.** Iron bacteria. Lond. [1919].
:5467
- 5768 **Smith, E. F.** Bacteria in relation to plant diseases.
:5812 Vol. 1→ Wash. 1905→
- 5768 **Miquel, P.** Les Organismes vivants de l'atmosphère.
:6147 Paris 1883.
- 5768 **Kramer, E.** Die Bakteriologie in ihren Beziehungen
:63 zur Landwirtschaft und den landw.-technischen
Gewerben. 2 pts. Wien 1890-92.
- 57681 **Bowhill, T.** Manual of bacteriological technique and
special bacteriology. Edin. 1902.
- 57681 **Eisenberg, J.** Bakteriologische Diagnostik.
Hamb. 1891.
- 57681 **Eyre, J. W. H.** Elements of bacteriological technique.
Philad. 1903.
- 57681 **Günther, C.** Einführung in das Studium der Bakteri-
ologie. Leip. 1891.

·57 BIOLOGY

- 57681 **Hueppe, F.** Die Methoden der Bakterien-Forschung.
Wiesbaden 1886.
- 57681 **Meyer, A.** Practicum der botanischen Bakterienkunde.
Jena 1903.
- 57681 **Michigan agricultural college—Laboratory of bacteriology and hygiene.** Laboratory manual in general microbiology.
New York 1916.
- 57681 **Salomonsen, C. J.** Bacteriological technology.
New York 1890.
- 57681 **Wurtz, R.** Technique bactériologique. Paris [1892].
- 57683 **Béchamp, A.** Les Microzymas. Paris 1883.
- 57683 **Chester, F. D.** Manual of determinative bacteriology.
New York 1909.
- 57683 **Fuhrmann, F.** Vorlesungen über technische Mykologie.
Jena 1913.
- 57683 **Trouessart, E. L.** Microbes, ferments and moulds.
Lond. 1886.
- 5768381 **Jungano, M., and Distaso, A.** Les Anaérobies.
Paris 1910.

·577 PROPERTIES OF LIVING MATTER.

- 577 **Child, C. M.** Senescence and rejuvenescence.
Chicago [1915].
- 577 **Loeb, J.** The Organism as a whole, from a physico-chemical viewpoint.
New York 1916.
- 577 **Windle, B. C. A.** What is life? Lond. 1908.
- 5771 **Halliburton, W. D.** Biochemistry of muscle and nerve.
Lond. 1904.
- 5773 **Du Bois-Reymond, E.** Gesammelte Abhandlungen zur allgemeinen Muskel- u. Nervenphysik. 2 vols.
Leip. 1875-77.
- 5773 **Leduc, S.** La Biologie synthétique. Paris 1912.
- 5773 **Loeb, J.** Dynamics of living matter. New York 1906.
- 5777 **Doflein, F.** Das Problem des Todes und der Unsterblichkeit bei den Pflanzen und Tieren. Jena 1919.

·57 BIOLOGY

·5778 SEX.

- 5778 **Dawson, E. R.** Causation of sex in man. Lond. 1917.
 ·5778 **Doncaster, L.** Determination of sex. Camb. 1914.
 ·5778 **Geddes, P., and Thomson, J. A.** Evolution of sex.
 Lond. 1889.
 ·5778 **Morgan, T. H.** The Genetic and the operative evidence
 relating to secondary sexual characters. Wash. 1919.
 ·5778 — Heredity and sex. New York 1913.

BIOLOGICAL TECHNIC.

·578 MICROSCOPY.

- 578 **Behrens, W.** Tabellen zum Gebrauch bei mikroskopischen Arbeiten. Hrsg. E. Küster. Leip. 1908.
 ·578 **Carpenter, W. B.** The Microscope and its revelations.
 Ed. W. H. Dallinger. Lond. 1891.
 ·578 **Cross, M. I., and Cole, M. J.** Modern microscopy.
 Lond. 1903.
 ·578 **Gage, S. H.** The Microscope. [Ithaca, N.Y.] 1917.
 ·578 **Naegeli, C., and Schwendener, S.** The Microscope in
 theory and practice. Lond. 1887.
 ·578 **Pollack, B.** Methods of staining the nervous system.
 Glasg. 1899.
 ·578 **Scales, F. S.** Practical microscopy. Lond. 1909.
 ·578 **Spiers, F. S.** The Microscope—its design, construction, and applications. Lond. 1920.
 ·578 **Spitta, E. J.** Microscopy. Lond. 1920.
 ·578 **Wright, Sir A. E.** Principles of microscopy.
 Lond. 1906.
 ·57803 **Ehrlich, P.** Encyklopädie der mikroskopischen Technik.
 Hrsg. P. E., etc. 2 vols. Berl. 1903.
 ·57803 **Griffith, J. W., and Henfrey, A.** Micrographic dictionary. 2 vols. Lond. 1875.
 ·57805 **Journal of microscopy and natural science.** Vols.
 J.N. 1-2, 4, 7-16. Lond. 1882-97.

·57 BIOLOGY

- 57805 **Quarterly journal of microscopical science.** 8 vols.
J.M. Lond. 1853-60.
- 57805 ——— N.S. Vol. 1→
J.M. Lond. 1861→
- 57805 **Zeitschrift für wissenschaftliche Mikroskopie und
für mikroskopische Technik.** Vol. 25→
Z.M. Leip. 1908→
- 57806 **Microscopical society, Royal.** Monthly microscopical
R.M. journal. 18 vols. Lond. 1869-77.
—— Journal. Ser. I., vol. 2→ Lond. 1879→
- 57806 **Quekett microscopical club.** Journal. 6 vols.; Ser.
Q.M. II., vols. 1-7. Lond. [1869-1900].
- 578 **Barnard, J. E.** Practical photo-micrography.
: 778 Lond. 1911.
- 578 **Bousfield, E. C.** Guide to the science of photo-micro-
: 778 graphy. Lond. 1892.
- 578 **Hind, H. L., and Randles, W. B.** Handbook of photo-
: 778 micrography. Lond. [1913].
- 578 **Pringle, A.** Practical photo-micrography.
: 778 Lond. [1893].
- 5784 **Lee, A. B.** Microtomist's vade-mecum. Lond. 1913.
- 5786 **Beale, L. S.** How to work with the microscope.
Lond. 1880.
- 5786 **Friedlaender, C.** Mikroskopische Technik. Berl. 1894.

·579 COLLECTING.

- B.M. ·579 **British Museum.** Handbook of instructions for col-
lectors. Lond. 1902.
- 579 **Peter, K.** Die Methoden der Rekonstruktion.
Jena 1906.
- 5794 **Brown, M.** Artistic and scientific taxidermy and model-
ling. Lond. 1896.

·58 BOTANY.

- 58 **Bauhin, C.** *φυτοπιναξ*; seu, Enumeratio plantarum ab
herbariis nostro saeculo descriptarum. Basiliae [1596].
- 58 **Caesalpinus, A.** De plantis. Florentiae 1583.
- 58 **Druce, G. C.** Dillenian herbaria. Oxf. 1907.
- 58 **Engler, A.** Das Pflanzenreich. Pt. 1→ Leip. 1900→
- 58 — Syllabus der Pflanzenfamilien. Berl. 1912.
- 58 **Engler, A., and Prantl, K.** Die Natürlichen Pflanzen-
familien. Vol. 1→ Leip. 1889→
- 58 **Fuchsius, L.** De historia stirpium commentarii.
Parisiis 1546.
- 58 **Gerarde, J.** The Herbal, or generall historie of plantes.
Lond. 1633.
- 58 **Kew—Royal botanic gardens.** Wild fauna and flora
of the gardens. Lond. 1906.
- 5801 **International botanical congress.** Règles interna-
tionales de la nomenclature botanique. [*French,*
English, and German.] Jena 1906.
- 5801 **Kew—Royal botanic gardens.** List of published names
of plants introduced to cultivation, 1876 to 1896.
Lond. 1900.
- 5801 **Linnaeus, C.** Philosophia botanica. Stockh. 1751.
- 5801 **Rolland, E.** Flore populaire; ou, Histoire naturelle des
·398 plantes dans leurs rapports avec la linguistique et le
folklore. 5 vols. Paris 1896-1904.

·5802 MANUALS.

- 5802 **Bower, F. O.** Botany of the living plant. Lond. 1919.
- 5802 **Brehm, A. E.** Merveilles de la nature. Vols. 10, 11.
Les plantes. Par P. Constantin et E. d'Hubert.
Paris

58 BOTANY

- | | |
|---------|------------------------------------------------------------------------------------------------------------------|
| ·5802 | Coulter, J. M., and others. Textbook of botany. 2 vols. New York [1910-11]. |
| ·5802 | Gager, C. S. Fundamentals of botany. Philad. 1916. |
| ·5802 | Kerner von Marilaun, A. Natural history of plants. 2 vols. Lond. 1894-95. |
| ·5802 | Lowson, J. M. Text-book of botany. Lond. 1912. |
| ·5802 | Macgillivray, W. Manual of botany. Lond. 1853. |
| ·5802 | Sachs, J. Text-book of botany. Oxf. 1882. |
| ·5802 | Sargent, F. L. Plants and their uses, an introduction to botany. Lond. 1914. |
| ·5802 | Schenk, A. Handbuch der Botanik. Hrsg. A. S. 4 vols. Breslau 1879-90. |
| ·5802 | Strasburger, E. Text-book of botany. Lond. 1903. |
| ·5802 | Vines, S. H. Students' text-book of botany. Lond. 1895. |
| ·5802 | Wiesner, J. von. Elemente der wissenschaftlichen Botanik. 3 vols. Wien 1906-13. |
| f ·5803 | Baillon, H. Dictionnaire de botanique. 4 vols. Paris 1876-92. |
| ·5803 | Gerth van Wijk, H. L. Dictionary of plantnames. 2 vols. The Hague 1911-16. |
| ·5803 | Jackson, B. D. Glossary of botanic terms. Lond. 1900. |
| ·5803 | Nicholson, G. Illustrated dictionary of gardening. 4 vols. and supplement. Lond. 1885-[1900]. |
| ·5803 | Pritzel, G. A. Iconum botanicarum index. Berl. 1855. |
| ·5803 | Schneider, C. K. Illustriertes Handwörterbuch der Botanik. Hrsg. C. K. S. Leip. 1905. |
| ·5804 | Farmer, J. B. Practical introduction to the study of botany. Lond. 1902. |
| ·5804 | Fritch, F. E., and Salisbury, E. J. Introduction to the structure and reproduction of plants. Lond. 1920. |
| ·5804 | — Introduction to the study of plants. Lond. 1914. |

58 BOTANY

5805 PERIODICALS.

- 5805 A.S. **Annales des sciences naturelles**—Botanique. Ser. IV.
Vols. 13-20; Ser. V.→ [See also 5705.]
Paris 1860→
- 5805 A.B. **Annals of botany.** Vol. 1→ Lond. 1887→
- 5805 B. **Beiträge zur Biologie der Pflanzen.** Vol. 1→
Breslau 1870→
- 5805 B.A. **Botanical abstracts.** Vol. 1→ Baltimore 1919→
- 5805 B.C. **Botanical cabinet.** Vols. 1-10. Lond. 1817-24.
- 5805 B.G. **Botanical gazette.** Vol. 11→
Crawfordsville, Ind., Chicago, etc., 1886→
- 5805 B.M. **Botanical magazine.** 53 vols. and index.
Lond. 1787-1826.
- 5805 B.Jr. **Botanische Jahrbücher.** Vol. 18→ Leip. 1894→
- 5805 B.Z. **Botanische Zeitung.** 68 vols.
Berl., Leip. 1843-1910.
- 5805 B.Jt. **Botanischer Jahresbericht.** 1873→. Vol. 1→
Berl. 1874→
- 5805 ——— Suppl. 1904-05. Leip., Berl. 1906.
B.Jt.A.
- 5805 B.Ce. **Botanisches Centralblatt.** Vol. 1→
Cassel, Jena 1880→
- 5805 B.Ce. ——— Beihefte. Vol. 1→ Cassel, Dresden 1891→
- 5805 **Companion to the Botanical magazine.** By W. J.
B.M.C. Hooker. 2 vols. Lond. 1835-36.
- 5805 F. **Flora, oder Allgemeine botanische Zeitung.** Vol.
72-78, 80, 82→ Marburg 1889→
- 5805 F.Z. **Forstlich-naturwissenschaftliche Zeitschrift.** Vols.
1-7. München 1892-98.
- 5805 H.I. **Hooker's Icones plantarum.** Vol. 1-8, 10→
Lond. 1837→
- 5805 H. **Hooker's journal of botany.** 4 vols.
Lond. 1834-42.
- 5805 H. **Hooker's London journal of botany.** Vols. 1-2, 7.
Lond. 1842-48.

·58 BOTANY

- 5805 J.W. **Jahrbücher für wissenschaftliche Botanik.** Vol. 6→ Leip. 1868→
- 5805 J. **Journal of botany.** Vol. 1-9, 11→ Lond. 1863→
- 5805 L. **Linnea.** 43 vols. Berl. 1826-82.
- 5805 M. **Malpighia.** Vols. 6-27. Genova 1892-1916.
- 5805 N.P. **New phytologist.** Vol. 1→ Lond. 1902→
- 5805 N.G. **Nuovo giornale botanico italiano.** Ser. I., vols. 20-25; Ser. II., vol. 1→ Firenze 1888→
- 5805 P.M. **Paxton's magazine of botany.** Vols. 2-8. Lond. 1836-41.
- 5805 P. **Phytologist.** Ser. I., vols. 1-5 and index; Ser. II., vols. 1-6. Lond. 1842-63.
- 5805 P.R. **Progressus rei botanicae.** Vol. 1→ Jena 1907→
- 5805 R.L. **Repertorium annum literaturae botanicae.** 1872-79. 8 vols. Harlemi 1873-86.
- 5805 R. **Revue générale de botanique.** Vol. 1→ Paris 1889→
- 5805 Z.B. **Zeitschrift für Botanik.** Vol. 1→ Jena 1909→

·5806 SOCIETIES.

- 5806 I.B. **International botanical congress.** Genova, 1892. Atti. Genova 1893.
- 5806 I.B. — Bruxelles, 1910. Actes. 2 vols. Brux. [1912].
- 5806 — Wien, 1905. Bericht. Wien 1906.
- I.B.B.
- 5806 K. **Kew—Royal botanic gardens.** Reports. 1874-82. Lond. 1875-84.
- Bulletins. 1887→ Lond. 1887→
- 5806 K.P. — Selected papers from Kew bulletin. 1→ Lond. 1906→
- 5806 — Royal botanic gardens, Kew. By W. J. Bean. K.Be. Lond. 1908.
- 5806 L.J. **Linnean society of London.** Journal. Botany. Vol. 1-11, 13→ Lond. 1857→
- 5806 L.P. — Proc. 1874/75→ Lond. 1875→

58 BOTANY

- 5806 L.T. **Linnean society of London.** Trans. [Ser. I.] 30 vols.
Lond. 1791-1875.
- 5806 L.T. ——— Botany. Ser. II. Vol. 1→ Lond. 1880→
- 5806 **Botanical society of Edinburgh.** Trans. Vol. 1→
(4144) Edin. 1844→
- 5806(43) **Deutsche botanische Gesellschaft.** Berichte. Vol.
1→ Berl. 1883→
- 5806 **Società botanica italiana.** Bullettino. 1892→
(45) S.B. Firenze 1892→
- 5806 **Svenska vetenskaps-akademien, K.** Arkiv för
(485) botanik. Vol. 1→ Stockh. 1904→
- 5806 **India—Botanical survey.** Records. Vol. 2→
(54) B.R. Calcutta 1903→
- 5806 **Calcutta—Royal botanic garden.** Annals. Vol. 1→
(541) Calcutta 1887→
- 5806(73) **Smithsonian Institution.** United States National
museum. National Herbarium. Contributions.
Vol. 7, 9→ Wash. 1902→
- 5806 **Missouri botanical garden.** Reports. 1→
(778) St. Louis [1890]→
- 5806 **California University publications.** Botany. Vol. 1→
(794) C.U. Berkeley 1903→
- 5806 **Rio de Janeiro—Jardin botanico.** Archivos. Vol. 1→
(8133) Rio de Janeiro 1915→
- 5806 **Buitenzorg—Jardin botanique.** Annales. [Ser. I.],
(922) 15 vols.; Ser. II., vol. 1→ Batavia, Leide 1876→
- f. 5806 **New South Wales—Botanic gardens.** Reports.
(944) 1910→ [Sydney 1911→]

5807 METHODS OF STUDY.

- 5807 **Bower, F. O., and Vines, S. H.** Course of practical
instruction in botany. Lond. 1891.
- 5807 **Candolle, A. de.** La Phytographie. Paris 1880.
- 5807 **Cavers, F.** Practical botany. Lond. 1911.
- 5807 **Ganong, W. F.** Teaching botanist. New York 1910.
- 5807 **Horwood, A. R.** Practical field botany. Lond. 1914.

·58 BOTANY

- 5807 **Kienitz-Gerloff, F.** Methodik des botanischen Unterrichts. Berl. 1904.
- f. ·5807 **McAlpine, D.** Botanical atlas. 2 vols. Edin. 1883.
- 5807 **Strasburger, E.** Handbook of practical botany. Ed. W. Hillhouse. Lond. 1887.
- 5807 **Trail, J. W. H.** Syllabus of instruction in botany. Abd. 1904.
- f. ·5807² **Willmott, E.** Warley garden in spring and summer. (42) Lond. 1909.
- 5807² **Coville, F. V., and MacDougal, D. T.** Desert botanical (764) laboratory of the Carnegie Institution. Wash. 1903.
- 5807⁴ **Vines, S. H., and Druce, G. C.** Account of the Mori- (42) sonian Herbarium. Oxf. 1914.
- f. ·5807⁴ **Koerner, A.** Die Bauten des Königlichen botanischen (4315) Gartens in Dahlem. Berl. 1910.

·5808 COLLECTIVE WORKS.

- 58081 **Brown, R.** Miscellaneous botanical works. 3 vols. Lond. 1866-68.
- 58081 **Errera, L.** Recueil d'œuvres. [3 vols.] Brux. 1908-09.
- 58082 **Ascherson, P.** Festschrift zur Feier des siebenzigsten Geburtstages des Herrn Prof. P. Ascherson. Leip. 1904.
- 58082 **OSTWALD'S KLASSIKER.** Leip. 1889→
- 58082 **Warming, E.** Biologiske Arbejder tilegnede Eug. Warming paa hans 70 Aars Fødselsdag den 3. November 1911. Kjøbenhavn 1911.

·5809 HISTORY.

- 5809 **Arber, A.** Herbals—their origin and evolution. Camb. 1912.
- 5809 **Gibson, R. J. Harvey-.** Outlines of the history of botany. Lond. 1919.
- 5809 **Green, J. R.** History of botany, 1860-1900. Oxf. 1909.

·58 BOTANY

- 5809 **Pickering, C.** Chronological history of plants.
Boston [Mass.] 1879.
- 5809 **Sachs, J.** History of botany. Oxf. 1890.
- 5809 (3) **Joret, C.** Plantes dans l'antiquité et au moyen age.
Pt. 1→ Paris 1897→
- 5809 (42) **Green, J. R.** History of botany in the United King-
dom. Lond. 1914.
- 5809 **Smith, J.** Bible plants. Lond. [1877].

: 22

·58091 BIBLIOGRAPHY.

- B.M. ·58091 **British Museum.** Books and portraits illustrating the
history of plant classification. Lond. 1906.
- 58091 **Haller, A. von.** Bibliotheca botanica. 2 vols.
Tiguri 1771-72.
- 58091 — — Index emendatus perfecit J. C. Bay.
Bernae 1908.
- 58091 **Jackson, B. D.** Guide to literature of botany.
Lond. 1891.
- 58091 **Junk, W.** Bibliographia botanica. Berl. 1909.
- 58091 **Pritzel, G. A.** Thesaurus literaturae botanicae.
Lips. 1872.
- 016 : 58 **Royal Society.** International catalogue of scientific
literature. Botany [1901→] Lond. 1902→

·58092 BIOGRAPHY.

- 58092 **Babington, C. C.** Memorials, journal, and botanical
correspondence. Camb. 1897.
- 58092 **Bower, F. O.** Joseph Dalton Hooker. Lond. 1919.
- 58092 — Sir Joseph Dalton Hooker, 1817-1911. Glasg. 1912.
- 58092 **Dudley, W. R.** Dudley memorial volume.
Stanford Univ. 1913.
- 58092 **Huxley, L.** Life and letters of Sir Joseph Dalton
Hooker: 2 vols. Lond. 1918.
- 58092 **Kronfeld, E. M.** Anton Kerner von Marilaun.
Leip. 1908.
- 58092 **Linnaeus, C.** Bref och Skrifvelser af och till Carl von
Linné. Vol. 1→ Stockh. 1907→

·58 BOTANY

- 58092 **Oliver, S. P.** Life of Philibert Commerson. Ed. G. F. S. Elliot. Lond. 1909.
- 58092 **Wilson, W. F.** David Douglas, botanist, at Hawaii. Honolulu 1919.
- 58092 **Oliver, F. W.** Makers of British botany. Camb. 1913.
(42)

·58: RELATIONAL DIVISIONS.

- 58 : 575 **Bernard, N.** Évolution des plantes. Paris 1916.
- 58 : 575 **Blaringhem, L.** Mutation et traumatismes. Paris 1908.
- 58 : 575 **Campbell, D. H.** Lectures on the evolution of plants. New York 1902.
- 58 : 575 **Coulter, J. M., and M. C.** Plant genetics. Chicago [1918].
- 58 : 575 **Lotsy, J. P.** Vorträge über botanische Stammesgeschichte. Vol. 1→ Jena 1907→
- 58 : 752 **Société française des chrysanthémistes.** Répertoire de couleurs pour aider à la détermination des couleurs des fleurs, des feuillages et des fruits. Rennes 1905.

·58I BIOLOGICAL BOTANY.

- 58I **Jones, W. N., and Rayner, M. C.** A Textbook of plant biology. Lond. [1920].
- 58I **Migula, W.** Pflanzenbiologie. Leip. 1909.
- 58I **Neger, F. W.** Biologie der Pflanzen. Stuttg. 1913.
- 58I **Scott, D. H.** Introduction to structural botany. Lond. 1897.
- 58I (2I) **Bower, F. O.** Origin of a land flora. Lond. 1908.
- f. ·58I **Beer, J. G.** Beiträge zur Morphologie und Biologie der Familie der Orchideen. Wien 1863.
- 58415

·58II PHYSIOLOGY OF PLANTS.

- 58II **Cox, L. E.** Experimental plant physiology. Lond. 1915.
- 58II **Darwin, F., and Acton, E. H.** Practical physiology of plants. Camb. 1894.

58 BOTANY

- 5811 **Ganong, W. F.** Laboratory course in plant physiology.
New York [1908].
- 5811 **Haberlandt, G.** Physiological plant anatomy.
Lond. 1914.
- 5811 **Jost, L.** Lectures on plant physiology. Oxf. 1907.
- 5811 **Lloyd, F. E.** Physiology of stomata. Wash. 1908.
- 5811 **Molisch, H.** Pflanzenphysiologie als Theorie der
Gärtnerei. Jena 1920.
- 5811 **Němec, B.** Die Reizleitung und die reizleitenden
Strukturen bei den Pflanzen. Jena 1901.
- 5811 **Palladin, V. I.** Plant physiology. Philad. [1918].
- 5811 **Pfeffer, W.** Physiology of plants. Vol. 1→
Oxf. 1900→
- 5811 **Sachs, J. von.** Physiology of plants. Oxf. 1887.
- 5811 **Shreve, F.** Montane rain-forest. Wash. 1914.
(7292)
- 581116 **Dixon, H. H.** Transpiration and the ascent of sap in
plants. Lond. 1914.
- 581116 **Livingston, B. E.** Relation of desert plants to soil
(252) moisture and to evaporation. Wash. 1906.
- 581116 **Shreve, E. B.** Daily march of transpiration in a desert
(252) perennial. Wash. 1914.
- 58113 **Cannon, W. A.** Chlorophyll apparatus in desert
plants. Wash. 1908.
- 58113 **Darwin, C.** Insectivorous plants. Lond. 1875.
- 58113 **Hempel, J.** Effect of etherization on plant-metabolism.
København 1911.
- 58113 **Pfeiffer, T.** Der Vegetationsversuch als Hilfsmittel zur
Lösung von Fragen auf dem Gebiete der Pflanzen-
ernährung. Berl. 1918.
- 58113 **Richards, H. M.** Acidity and gas interchange in cacti.
Wash. 1915.
- f. 58113 **Richter, O.** Die Ernährung der Algen. Leip. 1911.
- 58113 **Spoehr, H. A.** The Carbohydrate economy of cacti.
Wash. 1919.

·58 BOTANY

- 58113 **Stahl, E.** Zur Biologie des Chlorophylls. Jena 1909.
- 5811323 **Wiesner, J. von.** Der Lichtgenuss der Pflanzen.
Leip. 1907.
- 58114 **Klebs, G.** Willkürliche Entwicklungsänderungen bei
Pflanzen. Jena 1903.
- 581143 **Douglass, A. E.** Climatic cycles and tree-growth.
Wash. 1919.
- 581143 **MacDougal, D. T.** Hydration and growth. Wash. 1920.
- 58115 **Bailey, L. H.** Plant-breeding. New York 1917.
- 58115 **Darwin, C.** Different forms of flowers. Lond. 1877.
- 58115 **Vries, H. de.** Plant-breeding. Lond. 1907.
- 58115 **Klebs, G.** Über künstliche Metamorphosen.
: 5773 Stuttgart. 1906.
- 58115 **Chodat, R.** Étude sur le polymorphisme des Algues.
: 5893 Genève 1909.
- 5811524 **Macdougal, D. T., and Spalding, E. S.** Water-balance
of succulent plants. Wash. 1910.
- 58116 **Darwin, C.** Effects of cross and self-fertilisation.
Lond. 1876.
- 58116 **Kerner, A.** Flowers and their unbidden guests.
Lond. 1878.
- 58116 **Knuth, P.** Handbook of flower pollination. 3 vols.
Oxf. 1906-09.
- 58116 **Müller, H.** Fertilisation of flowers. Lond. 1883.
- 58116 ——— Weitere Beobachtungen über Befruchtung der
Blumen durch Insekten. 3 pts. Berl. 1879-82.
- 58116 **Strasburger, E.** Zeitpunkt der Bestimmung des Ge-
schlechts. Jena 1909.
- 58116 **Harper, R. A.** Sexual reproduction and the organisation
: 5892 of the nucleus in certain mildews. Wash. 1905.
- 581162 **Coulter, J. M.** Evolution of sex in plants.
Chicago 1914.
- 581163 **Winkler, H.** Parthenogenesis und Apogamie im
Pflanzenreiche. Jena 1908.

- 581169 **Němec, B.** Studien über die Regeneration. Berl. 1905.
- 581171 **Czapek, F.** Oberflächenspannung der Plasmahaut von Pflanzenzellen. Jena 1911.
- 58118 **Bose, Sir J. C.** Life movements in plants. [2 vols.] Calcutta 1918-19.
- 58118 ——— Plant response as a means of physiological investigation. Lond. 1906.
- 58118 ——— Researches on irritability of plants. Lond. 1913.
- 58118 **Darwin, C.** Movements and habits of climbing plants. Lond. 1875.
- 58118 **Darwin, C., and F.** Power of movement in plants. Lond. 1880.
- 58118 **Pringsheim, E. G.** Die Reizbewegungen der Pflanzen. Berl. 1912.
- 5811833 **Haberlandt, G.** Die Lichtsinnesorgane der Laubblätter. Leip. 1905.
- 58119 **Czapek, F.** Biochemie der Pflanzen. Vol. 1→ Jena 1905→
- 58119 **Michael, H. A.** Studies in plant and organic chemistry. Camb., Mass. 1907.
- 58119 **Onslow, M. W.** Practical plant biochemistry. Camb. 1920.
- 58119 **Sohn, C. E.** Dictionary of active principles of plants. Lond. 1894.
- 58119 **Tunmann, O.** Pflanzenmikrochemie. Berl. 1913.
- 58119 **Zopf, W.** Die Flechtenstoffe. Jena 1907.
- 5811931 **Reichert, E. T.** Differentiation and specificity of starches. 2 pts. Wash. 1913.
- 5811933 **Cross, C. F., and Bevan, E. J.** Researches on cellulose. 1→, 1895/1900→ Lond. 1907→
- 5811941 **Willstätter, R., and Stoll, A.** Untersuchungen über Chlorophyll. Berl. 1913.
- 581195 **Onslow, M. W.** Anthocyanin pigments of plants. Camb. 1916.

58 BOTANY

5812 PATHOLOGY OF PLANTS.

- 5812 **Burgeff, H.** Die Wurzelpilze der Orchideen.
Jena 1909.
- 5812 **Küster, E.** Pathologische Pflanzenanatomie.
Jena 1903.
- 581205 C. **Centralblatt für Bakteriologie.** Abth. II. Pflanzen-
pathologie, etc. Vol. 1→ Jena 1895→
- 581205 Z.P. **Zeitschrift für Pflanzenkrankheiten.** Vol. 1→
Stuttg. 1891→
- 58121 **Bruck, W. F.** Plant diseases. Lond. 1912.
- 58121 **Delacroix, G.** Atlas des conférences de pathologie
végétale. Paris
- 58121 **Massee, G.** Text-book of plant diseases. Lond. 1903.
- 58121 **Sorauer, P.** Handbuch der Pflanzenkrankheiten.
2 vols. Berl. 1908-09.
- 58121 **Stevens, F. L.** Fungi which cause plant disease.
New York 1913.
- 58121 **Tubeuf, K. von.** Diseases of plants. Lond. 1897.
- 58121 **Cook, M. T.** Diseases of tropical plants. Lond. 1913.
(213)
- 58121 **Hartig, R.** Diseases of trees. Lond. 1894.
: 634
- 58121 **Ward, H. M.** Timber and some of its diseases.
: 634 Lond. 1889.
- 58121 **Petri, L.** Studi sul marciume delle radici nelle viti
: 6346 fillosserate. Roma 1907.
- 5812198 **Masters, M. T.** Vegetable teratology. Lond. 1869.
- 5812198 **Penzig, O.** Pflanzen-Teratologie. 2 vols.
Genua 1890-94.
- 5812198 **Worsdell, W. C.** Principles of plant-teratology. 2 vols.
Lond. 1915-16.
- 58122 **Darboux, G., and Houard, C.** Galles de Cynipides.
Paris 1907.
- 58122 **Gadeau de Kerville, H.** Cécidozoaires et leurs cécidies.
Paris 1901.

·58 BOTANY

- 58122 **Küster, E.** Die Gallen der Pflanzen. Leip. 1911.
- 58122 **Connold, E. T.** Plant galls of Great Britain.
(42) Lond. 1909.
- 58123 **MacDougal, D. T., and Cannon, W. A.** Parasitism
in plants. Wash. 1910.
- 58123 **Smith, E. F.** Bacterial diseases of plants.
Philad. 1920.
- 58124 **Geddoelst, L.** Les Champignons parasites de l'homme
et des animaux domestiques. Lierre 1902.

·5813 EMBRYOLOGY OF PLANTS.

- 5813 **Avebury, Sir J. Lubbock, 1st baron.** Contribution to
our knowledge of seedlings. 2 vols. Lond. 1892.
- 5813 **Guppy, H. B.** Studies in seeds and fruits. Lond. 1912.
- 5813 **Johnson, D. S.** Fruit of *Opuntia fulgida*. Wash. 1918.
- 581312 **Edgeworth, M. P.** Pollen. Lond. 1887.

·5814 MORPHOLOGY OF PLANTS.

- 5814 **Bary, A. de.** Comparative anatomy of the vegetative
organs of the phanerogams and ferns. Oxf. 1884.
- 5814 **Campbell, D. H.** The Eusporangiateae. Wash. 1911.
- 5814 **Goebel, K.** Organography of plants, especially of the
Archegoniatae and Spermatophyta. 2 vols.
Oxf. 1900-05.
- 5814 **Grew, N.** Anatomy of plants. Lond. 1682.
- 5814 **Velenovský, J.** Vergleichende Morphologie der Pflan-
zen. 4 pts. Prag 1905-13.
- 5814 **Vöchting, H.** Anatomie und Pathologie des Pflanzen-
körpers. Tübingen 1908.
- 5814 **Glück, H.** Biologische und morphologische Unter-
(28) suchungen über Wasser- und Sumpfgewächse. Pts.
1-2. Jena 1905-06.
- 5814 **Coulter, J. M., and Chamberlain, C. J.** Morphology
: 582 of spermatophytes. 2 vols. New York 1901-03.
- 5814 — Morphology of gymnosperms. Chicago [1910].
: 585

58 BOTANY

- 5814 **Campbell, D. H., and Williams, F.** Morphological
:5883 study of some members of the genus *Pallavicinia*.
Stanford Univ. 1914.
- 58145 **Church, A. H.** Relation of phyllotaxis to mechanical
laws. Lond. 1904.
- f. ·58148 — Types of floral mechanism. Pt. 1→ Oxf. 1908→
- 5815 **HABITS OF PLANTS.**
- 5815 **Cannon, W. A.** Root habits of desert plants.
Wash. 1911.
- 5815 **Clements, F. E.** Plant indicators: the relation of plant
communities to process and practice. Wash. 1920.
- 5815 — Research methods in ecology. Lincoln, Neb. 1905.
- 5815 **Kraus, G.** Boden und Klima auf kleinstem Raum.
Jena 1911.
- 5815 **Schneider, C. K.** Dendrologische Winterstudien.
Jena 1903.
- 5815 **Warming, E.** Oecology of plants. Oxf. 1909.
- 5815 **Weaver, J. E.** The Ecological relations of roots.
Wash. 1919.
- 581506 **British ecological society.** Journal of ecology. Vol.
B.E. 1→ Camb. 1913→
- 5815(28) **Mönkemeyer, W.** Die Sumpf- und Wasserpflanzen.
Berl. 1897.
- 5815 **Kirchner, O. von, and others.** Lebensgeschichte der
:582(4) Blütenpflanzen Mitteleuropas. Vol. 1→
Stuttg. 1908→
- 581513 **Stahl, E.** Pflanzen und Schnecken. Jena 1888.
:594
- 58152 **Hehn, V.** Wanderings of plants and animals from their
:63 first home. Ed. J. S. Stallybrass. Lond. 1885.
- f. ·58154 **Sernander, R.** Entwurf einer Monographie der euro-
:595796 päischen Myrmekochoren. Uppsala 1906.
- 5816 **ECONOMICS OF PLANTS.**
- 5816 **Boulger, G. S.** Uses of plants. Lond. 1889.
- 5816 **Diels, L.** Ersatzstoffe aus dem Pflanzenreich.
Stuttg. 1918.

·58 BOTANY

- 5816 **Jackson, J. R.** Commercial botany of 19th century.
Lond. 1890.
- 5816 **Lalessan, J. L. de.** Les Plantes utiles des colonies
françaises. Paris 1886.
- 5816 **Reinhardt, L.** Kulturgeschichte der Nutzpflanzen.
München 1911.
- 5816 **Wiesner, J.** Die Rohstoffe des Pflanzenreiches. 2 vols.
Leip. 1900-03.
- 581603 **Smith, J.** Dictionary of popular names of the plants
which furnish the natural and acquired wants of man.
Lond. 1882.
- 016 **Jackson, B. D.** Vegetable technology: a contribution
:5816 towards a bibliography of economic botany.
Lond. 1882.
- 5816 **Hoops, J.** Waldbäume und Kulturpflanzen im ger-
(363) manischen Altertum. Strassb. 1905.
- 5816 **Watt, Sir G.** Commercial products of India.
(54) Lond. 1908.
- 5816 **[Holland, J. H.]** Useful plants of Nigeria. 2 pts.
(669) Lond. 1908-11.
- 58163 **Bentley, R., and Trimen, H.** Medicinal plants. 4 vols.
Lond. 1880.
- 58163 **Heuzé, G.** Les Plantes alimentaires. 2 vols. and atlas.
Paris [1872].
- 58165 **Cornevin, C.** Des plantes vénéneuses et des empoison-
nements qu'elles déterminent. Paris 1887.
- 58165 **Long, H. C.** Plants poisonous to live stock.
Camb. 1917.
- 58165 **Pammel, L. H.** Manual of poisonous plants, chiefly of
eastern North America. Cedar Rapids 1911.
- 58169 **Heinricher, E.** Die Aufzucht der parasitischen Samen-
pflanzen. Jena 1910.

·5818 HISTOLOGY OF PLANTS.

- 5818 **Dop, P., and Gautié, A.** Manuel de technique
botanique. Paris 1909.

·58 BOTANY

- 5818 **Jeffrey, E. C.** Anatomy of woody plants.
Chicago [1917].
- 5818 **Stevens, W. C.** Plant anatomy. Lond. [1916].
- 5818 **Tschirch, A.** Angewandte Pflanzenanatomie. Vol. 1→
Wien 1889→
- 581807 **Penhallow, D. P.** Tables for the use of students on
vegetable histology. Boston 1882.
- 5818 **Solereder, H.** Systematic anatomy of the dicotyledons.
:583 2 vols. Oxf. 1908.
- 581822II **Porsch, O.** Der Spaltöffnungsapparat im Lichte der
Phylogenie. Jena 1905.
- 581822II **Rehfoos, L.** Étude sur les stomates. Genève 1917.
- 581823 **Janssonius, H. H.** Mikrographie des Holzes der auf
(922) Java vorkommenden Baumarten. 2 vols.
Leiden 1906-08.

·5819 GEOGRAPHICAL BOTANY.

- 5819 **Baker, J. G.** Elementary lessons in botanical geo-
graphy. Lond. 1875.
- 5819 **Drude, O.** Handbuch der Pflanzengeographie.
Stuttg. 1890.
- 5819 **Graebner, P.** Lehrbuch der allgemeinen Pflanzen-
geographie. Leip. 1910.
- 5819 **Hardy, M. E.** The Geography of plants. Oxf. 1920.
- 5819 **Karsten, G., and Schenck, H.** Vegetationsbilder.
Vol. 1→ Jena 1904→
- 5819 **Schimper, A. F. W.** Plant geography upon a physio-
logical basis. Oxf. 1903.
- 5819 **Marret, L.** Icones floræ Alpinae plantarum. Pt. 1→
(234) [Paris]
- 5819 **Thompson, H. S.** Alpine plants of Europe.
(234) Lond. [1911].
- 5819 **Braun, J.** Les Cévennes méridionales. Genève 1915.
(2342)
- 5819 **Weber, J. C.** Die Alpen-Pflanzen Deutschlands und
(2343) der Schweiz. 4 vols. München 1872.

- 5819 **Arber, E. A. N.** Plant life in Alpine Switzerland.
(23435) Lond. 1910.
- 5819 **Thompson, H. S.** Sub-alpine plants. Lond. 1912.
(23435)
- 5819 **Clements, F. E.** Plant succession. Wash. 1916.
(237)
- 5819 **Shreve, F.** Vegetation of a desert mountain range.
(237) Wash. 1915.
- 5819 **Spalding, V. M.** Distribution and movements of desert
(252) plants. Wash. 1909.
- 5819 **Cannon, W. A.** Botanical features of the Algerian
(252 : 6) Sahara. Wash. 1913.
- 5819 **MacDougal, D. T.** Botanical features of North Ameri-
(252 : 7) can deserts. Wash. 1908.
- 5819(26) **Johnson, D. S., and York, H. H.** Relation of plants
to tide-levels. Wash. 1915.
- 5819(26) **Kuckuck, P.** Der Strandwanderer, die wichtigsten
Strandpflanzen, Meeresalgen und Seetiere der Nord-
und Ostsee. München 1905.
- 5819(28) **Arber, A.** Water plants. Camb. 1920.
- 5819 **Magnin, A.** Monographies botaniques de 74 lacs
(285 : 44) jurassiens, suivies de considérations générales sur la
végétation lacustres. Paris 1904.
- 5819(32) **Loret, V.** La Flore pharaonique. Paris 1892.
- f.·5819(4) **Bonnier, G.** Flore complète de France, Suisse et
Belgique. Vol. 1→ Neuchatel
- 5819(4) **Caruel, T.** Epitome florae Europae. [Fasc. 1-3.]
Florentiae [1892-97].
- 5819(4) **Hegi, G.** Illustrierte Flora von Mittel-Europa. 3 vols.
München [1906].
- 5819(4) **Hermann, F.** Flora von Deutschland und Fenno-
skandinavien. Leip. 1912.
- 5819(41) **Ewing, P.** Glasgow catalogue of native and established
plants. Glasg. 1899.
- 5819(41) **Lightfoot, J.** Flora Scotica. 2 vols. Lond. 1792.
- 5819(41) **Murray, A.** Northern flora. Pt. 1. Edin. 1835.

58 BOTANY

- 5819 **Spence, M., and Grant, J.** Flora Orcadensis.
 (4112) Kirkwall 1914.
 5819 **Craib, W. G.** Flora of Banffshire. Abd. 1912.
 (4124)
 5819 **Dickie, G.** Botanist's guide to the counties of Aberdeen,
 (4125) Banff, and Kincardine. Abd. 1860.
 5819 **Sim, J.** Botany of Scotstown Moor. Abd. 1868.
 (4125)
 5819 **Trail, J. W. H.** Flora of Buchan. Peterhead 1902.
 (4125)
 5819 **White, F. B. W.** Flora of Perthshire. Edin. 1898.
 (4132)
 5819 **Hayward, I. M., and Druce, G. C.** The Adventive
 (414) flora of Tweedside. Arbroath 1919.
 5819 **Greville, R. K.** Flora Edinensis. Edin. 1824.
 (4144)
 5819(42) **Babington, C. C.** Manual of British Botany.
 Lond. 1904.
 5819(42) **Bentham, G.** Handbook of British flora. 2 vols.
 Lond. 1865.
 5819(42) **Bonnier, G.** Name this flower. Lond. 1917.
 5819(42) **Carter, H. G.** Genera of British plants. Camb. 1913.
 5819(42) **Druce, G. C.** List of British plants. Oxf. 1908.
 5819(42) **Fitch, W. H., and Smith, W. G.** Illustrations of the
 British flora. Lond. 1912.
 5819(42) **Fox, T.** How to find and name wild flowers.
 Lond. [1916].
 5819(42) **Hooker, Sir J. D.** Students' flora of the British Isles.
 Lond. 1884.
 f. 5819 **Moss, C. E.** Cambridge British flora. Vols. 2-3.
 (42) Camb. 1914-20.
 5819(42) **Reid, C.** Origin of British flora. Lond. 1899.
 5819(42) **Skene, M.** Wild flowers. Lond. [1913].
 5819(42) **Syme, J. T. B.** English botany; or, Coloured figures of
 British plants. Figures by J. Sowerby, etc. 12 vols.
 and suppl. Lond. 1863-92.

- 5819(42) **Watson, H. C.** Topographical botany. Lond. 1883.
- 5819(42) **Williams, F. N.** Prodrômus floræ Britannicæ. 1→
Brentford 1911→
- 5819 **Marquand, E. D.** Flora of Guernsey and the lesser
(4234) Channel Islands. Lond. 1901.
- 5819 **Purton, T.** Botanical description of British plants in
(424) the midland counties. 3 vols.
Stratford-on-Avon 1817-21.
- 5819 **White, J. W.** Flora of Bristol. Bristol 1912.
(4241)
- 5819 **Amphlett, J., and Rea, C.** Botany of Worcestershire.
(4247) Birmingham 1909.
- 5819 **Wheldon, J. A., and Wilson, A.** Flora of West
(4272) Lancashire. Eastbourne 1907.
- 5819(43) **Karsch, A.** Vademecum botanicum. Leip. 1894.
- 5819(43) **Thomé, O. W.** Flora von Deutschland, Österreich und
der Schweiz. Vol 1→ Gera-Untermhaus 1886→
- 5819 **Kerner von Marilaun, A.** Schedæ ad floram exsiccatam
(436) Austro-Hungaricam. 1-9. Vindobonæ 1881-1902.
- 5819(44) **Rouy, G., and Foucaud, J.** Flore de France. 14 vols.
Asnières 1893-1913.
- 5819 **Saccardo, P. A.** Cronologia della flora italiana.
(45)09 Padova 1909.
- 5819 **Coutinho, A. X. P.** Flora de Portugal. (Notas.)
(469) Paris 1913-(1914).
- 5819 **Warming, E.** Dansk Plantevækst. 2 vols.
(489) København, 1906-09.
- 5819 **Farøe Isles.** Botany of the Færøes. Copenh. 1908.
(491)
- 5819 **Christ, H.** La Flore de la Suisse. Bâle 1907.
(494)
- 5819 **Dunn, S. T., and Tutchter, W. J.** Flora of Kwangtung
(512) and Hongkong, China. Lond. 1912.
- 5819(52) **Matsumura, J.** Index plantarum Japonicarum. 3 vols.
Tokioni 1904-12

·58 BOTANY

- 5819 **Hayata, B.** *Flora montana Formosæ.* Tōkyō 1908.
(529)
- 5819 — *Icones plantarum Formosanarum.* Vol. 1→
(529) Taihoku [1911]→
- 5819(54) **Hooker, Sir J. D.** *Flora of British India.* 7 vols.
London. 1875-97.
- 5819(54) **Oliver, D.** *First book of Indian botany.* London. 1869.
- 5819(54) **Prain, Sir D.** *Contributions to Indian botany.*
London. 1906.
- 5819(54) **Watt, Sir G.** *Dictionary of economic products of*
: 5816 *India.* 6 vols. Calcutta 1889-96.
- 5819 **Cooke, T.** *Flora of the Presidency of Bombay.* 2 vols.
(547) London. 1903-08.
- 5819 **Trimen, H.** *Flora of Ceylon.* Pts. 1-3. (Continued
(548) by Sir J. D. Hooker. Pts. 4-5.) Atlas.
London. 1893-1900.
- 5819 **Craib, W. G.** *Flora of Siam.* Dicotyledones.
(593) Abd. 1912.
- 5819 — — *Monocotyledones.* Abd. 1912.
(593)
- f. ·5819 **Beccari, O.** *Malesia : raccolta di osservazioni botaniche.*
(595) 3 vols. Genova, Firenze 1877-90.
- B.M. ·5819(6) **British Museum.** *Catalogue of the African plants*
collected by F. Welwitsch in 1853-61. [Now in the
British Museum.] By W. P. Hiern and others.
2 vols. London. 1896-1901.
- 5819(6) **Thonner, F.** *Die Blütenpflanzen Afrikas.* Berl. 1908.
- 5819(62) **Muschler, R.** *Manual flora of Egypt.* 2 vols.
Berl. 1912.
- B.M. ·5819 **British Museum.** *Catalogue of plants collected in*
(669) *South Nigeria.* By A. B. Rendle, etc. London. 1913.
- 5819 **Wildeman, E. de.** *Notices sur des plantes utiles ou*
(672) *intéressantes de la flore du Congo.* Publ. de l'État
Indépendant du Congo. [1]→ Brux. 1903→
- 5819(68) **Marloth, R.** *Flora of South Africa.* Vol. 1→
Capetown 1913→

- 5819(68) **Stoneman, B.** Plants and their ways in South Africa.
Lond. 1915.
- 5819(7) **Gray, A.** Synoptical flora of North America. Vols. 1-2,
pt. 1. New York 1878-97.
- 5819(7) **North American flora.** New York 1916→
- 5819 **Guppy, H. B.** Plants, seeds, and currents in the West
(729) Indies and Azores. Lond. 1917.
- B.M. 5819 **British Museum.** Flora of Jamaica. By W. Fawcett
(7292) and A. B. Rendle. Vol. 1→ Lond. 1910→
- 5819 **Boldingh, I.** Flora of St. Eustatius, Saba, and St.
(7297) Martin. Leiden 1909.
- 5819 **Daniels, F. P.** Flora of Boulder, Colorado.
(788) Columbia 1911.
- 5819(8) **Spruce, R.** Notes of a botanist on the Amazon and
Andes. 2 vols. Lond. 1908.
- 5819(81) **Wettstein, R. R. von.** Vegetationsbilder aus Süd-
brasilien. Tafeln. Leip. 1904.
- 5819(88) **Rodway, J.** In the Guiana forest. Lond. 1895.
- 5819 **Cheeseman, T. F.** Illustrations of New Zealand flora.
(931) Ed. T. F. C. Wellington 1914.
- 5819 — Manual of New Zealand flora. Wellington 1906.
(931)
- 5819 **Laing, R. M., and Blackwell, E. W.** Plants of New
(931) Zealand. Christchurch 1907.
- 5819(94) **Ewart, A. J., and Davies, O. B.** Flora of the Northern
Territory. Melbourne 1917.
- 5819(94) **Mueller, F. von, Baron.** Iconography of Australian
species of acacia. Decades 1-13. 1887-1888.
Melbourne 1888.
- 5819(94) — Second systematic census of Australian plants.
Pt. 1. Melbourne 1879.
- 5819 **Bailey, F. M.** Catalogue of Queensland plants.
(943) Brisbane [1909].
- 5819 **Mueller, F. von, Baron.** Native plants of Victoria.
(945) Pt. 1. Melbourne 1879.

582-589 SYSTEMATIC BOTANY.

-582 PHANEROGAMS.

- 582 **Bentham, G., and Hooker, J. D.** Genera plantarum.
3 vols. Lond. 1862-83.
- f. ·582 **Dalla Torre, C. G. de, and Harms, H.** Genera
siphonogamarum. Lips. 1907.
- 582 **Rendle, A. B.** Classification of flowering plants. Vol.
1→ Camb. 1904→
- 582 **Willis, J. C.** Manual of flowering plants and ferns.
Camb. 1904.
- 58203 **Durand, T.** Index generum phanerogamorum.
Brux. 1888.
- f. ·582(4) **Hempel, G., and Wilhelm, K.** Die Bäume und
Sträucher des Waldes. 3 pts. and atlas.
Wien [1903-05].
- 582(42) **Loudon, J. C.** Arboretum et fruticetum Britannicum.
8 vols. Lond. 1838.
- 582(7) **Sargent, C. S.** Manual of the trees of North America
(exclusive of Mexico). Boston [Mass.] 1905.
- 582(883) **Pulle, A. A.** Enumeration of the vascular plants
known from Surinam. Leiden 1906.
- B.M. ·582 **British Museum.** Illustrations of Australian plants
(94) collected in 1770 by Sir J. Banks and D. Solander.
With determinations by J. Britten. Lond. 1905.
- 582 **Eichler, A. W.** Blüthendiagramme. 2 vols.
: 58148 Leip. 1875-78.
- 582 **Schneider, C. K.** Illustriertes Handbuch der Laub-
: 634 holzkunde. 2 vols. Jena 1906-12.
- 582 **Trelease, W.** Plant materials of decorative gardening.
: 634 Woody plants. Urbana 1917.
- 582 — Winter botany. Urbana 1918.
: 634

583 DICOTYLEDONS.

- 583135 **Gregory, Mrs. E. S.** British violets. Camb. 1912.
(42)

- 58317 **Watt, Sir G.** Cotton plants of the world. Lond. 1907.
 B.M. 583291 **British Museum.** Monograph of the genus *Sabicea*.
 By H. F. Wernham. Lond. 1914.
 f. 583375(4) **Sudre, H.** Rubi Europæ. Paris 1913.
 583445 **Léveillé, H.** Monographie du genre *Onothera*.
 Le Mans [1913].
 58345 ——— Iconographie du genre *Epilobium*.
 Le Mans [1911].
 583471 **Britton, N. L., and Rose, J. N.** The Cactaceae. Vol.
 1→ Wash. 1919→
 583481 **Petersen, H. E.** Indledende studier over Polymorphien
 hos *Anthriscus silvestris* (L.) Hoffm.
 Kjøbenhavn 1914.
 58355 **Handel-Mazzetti, H. von.** Monographie der Gattung
Taraxacum. Leip. 1907.
 58355(42) **Linton, W. R.** Account of the British Hieracia.
 Lond. 1905.
 f. 58362 **Millais, J. G.** Rhododendrons. Lond. 1917.
 f. 583914 **Mueller, F. von, Baron.** Iconography of Australian sal-
 (94) solaceous plants. Decades 1-9. Melbourne 1889-91.
 583941 **Trelease, W.** Genus *Phoradendron*. Urbana 1916.
 f. 583981(4) **Camus, A., and E. G.** Classification des saules
 d'Europe. Atlas. Vol. 1→ Paris 1904→

584 MONOCOTYLEDONS.

- 58415 **Camus, E. G.** Monographie des orchidées. Paris 1908.
 58415 **Costantin, J.** Atlas en couleurs des orchidées cultivées.
 Paris [1913].
 58415 **Schulze, M.** Die Orchidaceen Deutschlands, Deutsch-
 (43) Oesterreichs und der Schweiz.
 Gera-Untermhaus 1894.
 584252 **Burbidge, F. W.** Narcissus. Lond. 1875.
 f. 584743 **Hagström, J. O.** Critical researches on the potamogetons.
 Stockh. 1916.
 f. 584743 **Fryer, A., and Bennett, A.** Potamogetons of the
 (42) British Isles. Lond. 1915.

·58 BOTANY

- 58484 **Clarke, C. B.** New genera and species of Cyperaceae.
Lond. 1908.
- 58484(44) **Husnot, T.** Cypéracées. Cahan 1906.
- 58484 **Crawford, F. C.** Anatomy of British Carices.
: 5814 Edin. 1910.
- f.·5849(4) **Husnot, T.** Graminées : descriptions, figures et usages
des graminées spontanées et cultivées de France,
Belgique, Iles Britanniques, Suisse. Cahan 1899.
- 5849(41) **Parnell, R.** Grasses of Scotland. Edin. 1842.
- 5849(42) — Grasses of Britain. Edin. 1845.

·585 GYMNOSPERMS.

- f.·5852 **Baker, H. Clinton-.** Illustrations of conifers. Vol. 1→
Hertford 1909→
- 5852 **Beissner, L.** Handbuch der Nadelholzkunde.
Berl. 1891.
- 5859 **Chamberlain, C. J.** The Living cycads.
Chicago [1919].

·586 CRYPTOGRAMS.

- 58606 **British mycological society.** Trans. Vol. 1→
B.M. Worcester [1902]→
- 586(41) **Greville, R. K.** Scottish cryptogamic flora. 6 vols.
Edin. 1823-28.
- 586(42) **Groves, J., and Webster, G. R. Bullock-.** British
Charophyta. Vol. 1→ Lond. 1920→
- 586(43) **Rabenhorst, L.** Kryptogamen-Flora von Deutschland.
Vol. 1→ Leip. 1884→
- 586 **Crouan, P. L., and H. M.** Florule du Finistère, conte-
(4411) nant une synonymie des plantes cellulaires et vascu-
laires qui croissent dans ce département. Paris 1867.
- 586(494) **Switzerland.** Beiträge zur Kryptogamenflora der
Schweiz. Vol. 1→ Bern 1901→
- 586 : 581 **Campbell, D. H.** The Structure and development of
mosses and ferns. New York, 1918.

·587 PTERIDOPHYTES.

- 587 **Hofmeister, W.** Higher Cryptogamia. Lond. 1862.
 B.M. ·587 **British Museum.** List of British seed-plants and ferns.
 (42) By A. B. Rendle and J. Britten. Lond. 1907.
 ·5873 **Christ, H.** Die Geographie der Farne. Jena 1910.
 ·5873 **Christensen, C.** Index filicum, etc. Hafniae 1906.
 ·5873 **Conard, H. S.** Structure and history of hay-scented
 fern. Wash. 1908.
 f. ·5873 **Hooker, Sir W. J.** Filices exoticæ. Lond. 1859.
 ·5873 **Hooker, Sir W. J., and Baker, J. G.** Synopsis fili-
 cum. Lond. 1874.
 ·5873(4) **Britten, J.** European ferns. Lond.
 ·5873(42) **Lowe, E. J.** Our native ferns. 2 vols. Lond. 1874-76.
 ·5873(54) **Beddome, R. H.** Ferns of British India, Ceylon, and
 the Malay Peninsula. Calcutta 1892.
 ·5873(91) **Alderwerelt van Rosenburgh, C. R. W. K. van.**
 Malayan ferns. Batavia 1908-09.

·588 BRYOPHYTES.

- 5881 **Braithwaite, R.** The Sphagnaceæ or peat mosses of
 Europe and North America. Lond. 1880.
 ·5882 **Correns, C.** Untersuchungen über die Vermehrung der
 Laubmoose. Jena 1899.
 ·588203 **Paris, E. G.** Index bryologicus. Vol. 1→
 Paris 1904→
 ·5882(4) **Roth, G.** Die Europäischen Laubmoose. 2 vols.
 Leip. 1904-05.
 ·5882(4) — Die Europäischen Torfmoose. Leip. 1906.
 ·5882(42) **Braithwaite, R.** British moss-flora. 3 vols.
 Lond. 1887-1905.
 ·5882(42) **Jameson, H. G.** Illustrated guide to British mosses.
 Eastbourne
 ·5882(42) **Moss exchange club.** Census catalogue of British
 mosses. York 1907.

·58 BOTANY

- 5883(42) **Macvicar, S. M.** Student's handbook of British hepatics.
Eastbourne 1912.
- 5883(71) **Pearson, W. H.** Canadian Hepaticæ. Montreal 1890.

·589 THALLOPHYTES.

·5891 LICHENS.

- B.M.·5891 **British Museum.** Monograph of British lichens—descriptive catalogue. By A. L. Smith. Pt. 1→
London. 1918→
- B.M.·5891 — Monograph of lichens found in Britain, in the herbarium of the British Museum. By J. M. Crombie (and A. L. Smith). 2 vols. London. 1894-1911.
- 5891(42) **Smith, Sir J. E.** English botany. Vols. 10, 11, and suppl. [Lichens.] London. 1844-46.

·5892 FUNGI.

- 5892 **Buller, A. H. R.** Researches on fungi. London. 1909.
- 5892 **Clements, F. E.** Genera of fungi. Minneapolis 1909.
- 5892 **Lindau, G., and Sydow, P.** Thesaurus litteraturæ mycologicae et lichenologicae 2 vols.
Lips. 1908-09.
- 5892 **Massee, G.** Text-book of fungi. London. 1906.
- 5892(4) — European fungus flora. London. 1902.
- 5892(41) **Stevenson, J.** Mycologia Scotica. Edin. 1879.
- 5892(42) **Badham, C. D.** Treatise on the esculent funguses of England. London. 1847.
- B.M.·5892 **British Museum.** Guide to Sowerby's models of British fungi. By W. G. Smith. [London.] 1908.
- 5892(42) **Cooke, M. C.** Handbook of British fungi. London. 1883.
- 5892(42) — Rust, smut, mildew, and mould. London. 1872.
- 5892(42) **Massee, G.** British fungus flora. 4 vols.
London. 1892-95.
- 5892 **Rostrup, E.** Danish fungi. Copenh. 1913.
(489)
- 5892 **Koorders, S. H.** Botanische Untersuchungen über einige in Java vorkommende Pilze. Amst. 1907.
(922)

- 5892 **Harshberger, J. W.** Text-book of mycology and plant
: 5812 pathology. Lond. 1918.
- f. 5892 **Brefeld, O.** Botanische Untersuchungen über Schim-
: 5813 melpilze. Pt. 1→ Leip. 1872→
- 5892 **Cooke, M. C.** Vegetable wasps and plant worms.
: 58169 Lond. 1892.
- B.M. 589214 **British Museum.** Guide to Smith's drawings of field
and cultivated mushrooms. Lond. 1910.
- 589214 **Stevenson, J.** British fungi. Hymenomycetes. 2 vols.
(42) Edin. 1886.
- f. 58922 **Hard, M. E.** The Mushroom, edible and otherwise.
Columbus, O. [1903].
- 58922 **Maire, R.** Recherches cytologiques et taxonomiques sur
les basidiomycètes. Lons-le-Saunier 1902.
- 589225 **Klebahn, H.** Die Wirtswechselnden Rostpilze.
Berl. 1904.
- 589225 **Sydow, P., and H.** Monographia Uredinearum. 2 vols.
Lips. 1904-10.
- 589225 **Grove, W. B.** British rust fungi, Uredinales.
(42) Camb. 1913.
- 589225 **Plowright, C. B.** Monograph of the British Uredineae
(42) and Ustilagineae. Lond. 1889.
- 589233 **Phillips, W.** Manual of the British Discomycetes.
(42) Lond. 1887.
- 589252 **Berlese, A. N.** Saggio di una monografia delle Pero-
nosporacee. Portici 1903.
- f. 58929 **Chapman, A. C., and Baker, F. G. S.** Atlas of the
Saccharomycetes. Lond. 1906.

5893 ALGAE.

- 5893 **Agardh, J. G.** Species genera et ordines algarum.
3 vols. Lundae 1848-1901.
- 5893 **West, G. S.** Algæ. Vol. 1→ Camb. 1916→
- 5893(26) **Sauvageau, C.** Utilisation des algues marines.
Paris 1920.

- f. 5893 { **Reinke, J.** Algenflora der westlichen Ostsee deutschen
(2612) { Antheils. [Berl. 1889.]
 { ——— Atlas deutscher Meeresalgen. Berl. 1889.
- f. 5893 **Kjellman, F. R.** Algae of the Arctic Sea.
(268) Stockh. 1883.
- 5893(28) **Bachmann, H.** Das Phytoplankton des Süßwassers.
Jena 1911.
- f. 5893 **Cooke, M. C.** Introduction to fresh-water algae.
(28) Lond. 1890.
- 5893 **Bernard, C.** Algues unicellulaires d'eau douce.
(28 : 91) Buitenzorg 1909.
- 5893 ——— Protococcacées et desmidiées d'eau douce.
(28 : 91) Batavia 1908.
- 5893(42) **Cooke, M. C.** British fresh-water algae, exclusive of
Desmidiaceae and Diatomaceae. 2 vols. Lond. 1884.
- 5893(42) **Harvey, W. H.** Phycologia Britannica. 4 vols.
Lond. 1871.
- 5893(42) **West, G. S.** Treatise on the British fresh-water algae.
Camb. 1904.
- 5893(48) **Kylin, H.** Studien über die Algenflora der schwedischen
Westküste. Upsala 1907.
- 5893(7) **Collins, F. S.** Green algae of North America.
Tufts College, Mass. 1909.
- f. 5893(7) **Harvey, W. H.** Nereis Boreali-Americana. 3 pts.
Wash. 1852-58.
- 5893 **Oltmanns, F.** Morphologie und Biologie der Algen.
: 581 • Vol. 1 → Jena 1904 →
- 5893II **Heurck, H. van.** Treatise on the Diatomaceae.
Lond. 1896.
- f. 5893II **Schmidt, A.** Atlas der Diatomaceen-Kunde. Hrsg.
A. S. Ser. I. → Leip. 1874 →
—— ——— Index. Ser. I-V. Leip. 1902.
- B.M. 5893II **British Museum.** List of British Diatomaceae. By
(42) W. Smith. Lond. 1859.
- 5893II **West, W., and G. S.** Monograph of the British
(42) Desmidiaceae. Vol. 1 → Lond. 1904 →

- 58932 **Hirn, K. E.** Monographie und Iconographie der Oedogoniaceen. Helsingfors 1900.
- B.M.·58939 **British Museum.** Mycetozoa, being a descriptive catalogue of the species in the herbarium. By A. Lister. Lond. 1911.
- 5895 **Janet, C.** Le Volvox. Limoges 1912.
- 58961 **Nordstedt, C. F. O.** Index desmidiacearum. (Supplementum.) Berol. 1896 (1908).

·59 ZOOLOGY.

- 59 **Bronn, H. G.** Klassen und Ordnungen des Thierreichs.
Von H. G. Bronn, etc. Vol. 1→ Leip. 1859→
- 5901 **Congrès internationaux de zoologie.** Règles internationales de la nomenclature zoologique. Paris 1905.

·5902 MANUALS.

- 5902 **Davis, A.** Natural history of animals. 8 vols.
 Lond. 1903-4.
- 5902 **Jordan, D. S., and Heath, H.** Animal forms.
 Lond. 1902.
- 5902 **Jordan, D. S., and Kellogg, V. L.** Animal life.
 Lond. 1901.
- 5902 **Kellogg, V. L.** Elementary zoology. New York 1902.
- 5902 **Lankester, Sir E. R.** Treatise on zoology. Ed.
 E. R. L. Vol. 1→ Lond. 1900→
- 5902 **Parker, T. J., and Haswell, W. A.** Manual of zoology.
 Lond. 1899.
- 5902 **Parker, T. J.** Text-book of zoology. 2 vols.
 Lond. 1897.
- 5902 **Sedgwick, A.** Student's text-book of zoology. 3 vols.
 Lond. 1898-1909.
- 5902 **Thomson, J. A.** Outlines of zoology. Edin. 1919.
- 5902 **Wells, H. G.** Text-book of zoology. Lond. [1898].
- Ref.*·5903 **Jäger, G.** Handwörterbuch der Zoologie, Anthro-
 pologie, und Ethnologie. Hrsg. G. Jäger, A. Reich-
 enow, etc. 8 vols. Breslau 1880-1900.
- Ref.*·5903 **Sherborn, C. D.** Index animalium, sive index nominum
 quae ab A.D. 1758 generibus et speciebus animalium
 imposita sunt. Vol. 1→ Cantab. 1902→

59 ZOOLOGY

5905 PERIODICALS.

- 5905 A.ZO. **Acta zoologica.** Vol. 1→ Stockh. 1920→
- 5905 A.S. **Annales des sciences naturelles—Zoologie.** Ser. IV.
Vols. 13-20; Ser. V→. [See also 5705.]
Paris 1860→
- 5905 A.P. **Archiv für Protistenkunde.** Vol. 42→ Jena 1921→
- 5905 A.Z. **Archives de zoologie expérimentale et générale.**
Vol. 1→ Paris 1872→
- 5905 B.B. **British birds.** Vol. 1→ Lond. [1908→].
- 5905 E.F. **Ergebnisse und Fortschritte der Zoologie.** Vol. 1→
Jena 1909→
- 5905 M.J. **Morphologisches Jahrbuch.** Vol. 24→ Leip. 1896→
- 5905 W.Z. **Zeitschrift für wissenschaftliche Zoologie.** Vol. 25→
Leip. 1875→
- 5905 **Zentralblatt für Zoologie, allgemeine und experi-**
Z.ZO. **mentelle Biologie.** Vol. 1→ Leip. 1912→
- 5905 Z.R. **Zoological record.** Vols. 1-42. Lond. 1865-1906.
[Continued in Royal Society's International Cata-
logue, Zoology, 1906→, vol. 43→]
- 5905 Z.J. **Zoologische Jahrbücher.** Abt. für allgemeine Zoologie
und Physiologie der Tiere. Vol. 30→ Jena 1911→
- 5905 Z.J. — Abt. für Anatomie und Ontogenie der Thiere.
Vol. 9→ Jena 1896→
- 5905 Z.J. — Abt. für Systematik, Geographie und Biologie der
Thiere. Vol. 9→ Jena 1897→
- 5905 Z.J. — Supplement-Band, 4→ Jena 1898→
- 5905 Z.A. **Zoologischer Anzeiger.** Vol. 1→ Leip. 1878→
- 5905 Z.Z. **Zoologisches Zentralblatt.** Vols. 11-18. Leip. 1904-11.
- 5905 Z. **Zoologist.** 4 Series. Lond. 1843-1916.
- 5905(41) **Scottish Naturalist.** 1912→ Edin. 1912→
S.N.

5906 SOCIETIES.

- 5906 I.C. **International congress of zoology.** Fourth congress,
Cambridge, 1898. Lond. 1899.

·59· ZOOLOGY

- 5906 L.J. **Linnean society of London.** Journal. Zoology.
Vol. 1→ Lond. 1857→
- 5906 L.T. — Trans. Zoology. Ser. II. Vol. 1→. [See also
·5806.] Lond. 1879→
- 5906 M.A. **Museums association.** Reports of proceedings. 1890-
1900. [Sheffield], Lond. 1890-1900.
— Museums journal. Vol. 1→ Lond. 1901→
- 5906 Z.P. **Zoological society of London.** Proc. 1830→
Lond. [1831→]
- 5906 Z.T. — Trans. Vol. 1→ Lond. 1835→
- 5906 **Svenska vetenskaps-akademien, K.** Arkiv för zoo-
(485) logi. Vol. 1→ Stockh. 1904→
- 5906(54) **Indian Museum.** Memoirs. Vol. 1→ Calcutta 1909→
I.M.M.
- 5906(54) — Records. Vol. 1→ Calcutta 1907→
I.M.R.
- 506(73) **Smithsonian Institution**—U.S. National Museum.
S.M. Proc. 1878-81. Vols. 1-4. (In Misc. Coll., vols.
19, 22.) Wash. 1879-82.
- 5906 — Proc. 1882→. Vol. 5→ Wash. 1883→
(73) P.
- 5906 **Michigan University**—Museum of Zoology. Occasional
(774) M.U. papers. No. 1→ Ann Arbor [1917→]
- 5906 **California University publications.** Zoology. Vol.
(794) C.U. 1→ Berkeley 1905→
- 5906(94) **Australian Museum.** Records. Vols. 1-3.
Sydney 1891-1900.

·5907 METHODS OF STUDY.

- 5907 **Landois, H.** Das Studium der Zoologie
Freiburg i. B. 1905.
- 59074 **Flower, Sir W. H.** Essays on museums. Lond. 1898.
- 59074 **Taylor, J. E.** The Aquarium. Lond. 1881.

·5908 COLLECTIVE WORKS.

- 59081 **Budgett, J. S.** Work of John Samuel Budgett. Ed.
J. G. Kerr. Camb. 1907.

59 ZOOLOGY

- 59081 **Huxley, T. H.** Scientific memoirs. 4 vols. and supplementary vol. Lond. 1898-1903.
- 59082 **Harmer, S. F., and Shipley, A. E.** The Cambridge natural history. Ed. S. F. H. and A. E. S. 10 vols. Lond. 1895-1909.
- 59082 **Sharpe, R. B.** Allen's naturalist's library. Ed. R. B. S. 15 vols. Lond. 1894-97.
- f. 59082 **Thomson, J. A., and others.** Report on Alcyonaria. Abd. 1905.
- f. 59082 — Studies on alcyonarians and antipatharians. Abd. 1907.
- f. 59082 — Studies on alcyonarians and hydroids. Ser. 3. Abd. 1909.
- f. 59082 — Studies on alcyonarians. Ser. 4. Abd. 1909.
- f. 59082 — Zoological studies, chiefly on alcyonarians. Ser. 5-6. Abd. 1911.
- f. 59082 — Zoological studies. Ser. 7-9. Abd. 1912-15.
- f. 59084 **Bartholomew, J. G.** Atlas of zoogeography. [Edin.] 1911.

5909 HISTORY.

- 5909 **Carus, J. V.** Histoire de la zoologie. Paris 1880.
- 5909(42) **Nicholson, H. A.** Natural history, its rise and progress in Britain. Lond. 1886.
- 016:59 **Agassiz, L.** Bibliographia zoologiae et geologiae. 4 vols. Lond. 1848-54.
- 016:59 **Bibliographia zoologica.** Ed. J. V. Carus (et B.Z. H. H. Field). Vol. 1→ Lips. 1896→
- B.M. **British Museum.** Guide to exhibition of old natural history books. Lond. 1905.
- 016:59 **Carus, J. V., and Engelmann, W.** Bibliotheca zoologica. 1846-60. 2 vols. Leip. 1861.
- 016:59 **Engelmann, W.** Bibliotheca historico-naturalis. 1700-1846. Vol. 1. Leip. 1846.
- 016:59 **Royal Society.** International catalogue of scientific literature. Zoology. [1901→] Lond. 1902→

·59 ZOOLOGY

- 016 : 59 **Taschenberg, O.** *Bibliotheca zoologica.* 1861-80.
Vol. 1→ Leip. 1887→
- 016 : 59 **Thompson, D. W.** *Bibliography of Protozoa, sponges,
etc.* Camb. 1885.
- 59092 **Gosse, E.** *The Naturalist of the sea-shore—the life of
Philip Henry Gosse.* Lond. 1896.
- 59092 **Legros, C. V.** *Fabre, poet of science.* Lond. [1913].
- 59092 **MacGillivray, W.** *Lives of eminent zoologists from
Aristotle to Linnæus.* Edin. 1834.
- 59092 — *Memorial tribute to William MacGillivray, LL.D.*
Edin. 1901.
- 59092 **Stebbing, T. R. R.** *The Naturalist of Cumbrae, being
the life of David Robertson.* Lond. 1891.
- 59 : 799 **Speedy, T.** *Natural history of sport in Scotland.*
Edin. 1920.

·591 BIOLOGICAL ZOOLOGY.

- 591 **Morgan, T. H.** *Experimental zoology.* New York 1907.
- 59105 **Journal of experimental zoology.** Vol. 1→
E.Z. Baltimore, Philad. 1904→
- 591081 **Balfour, F. M.** *Works.* 4 vols. Lond. 1885.
- 591 **Huxley, T. H.** *The Crayfish.* Lond. 1880.
: 59538
- 591 **Marshall, A. M.** *The Frog, an introduction to ana-
: 5978 tomy, histology, and embryology.* Lond. 1914.
- 591 **Mivart, St. G.** *The Common frog.* Lond. 1874.
: 5978
- 591 — *The Cat, an introduction to the study of backboneed
: 59975 animals.* Lond. 1881.

·5911 PHYSIOLOGY.

- 5911 **Loeb, J.** *Studies in general physiology.* 2 vols.
Chicago, 1905.
- 5911 **Mills, W.** *Text-book of animal physiology.*
New York 1889.
- 5911 — *Text-book of comparative physiology.*
New York 1890.

- 5911 **Pütter, A.** Vergleichende Physiologie. Jena 1911.
- 5911 **Sherrington, C. S.** Integrative action of the nervous system. New York 1906.
- 5911 **Winterstein, H.** Handbuch der vergleichenden Physiologie. Vol. 2→ Jena 1911→
- 5911 **Griffiths, A. B.** Physiology of the Invertebrata. Lond. 1892.
: 592
- 5911 **Ellenberger, W., and Scheunert, A.** Lehrbuch der vergleichenden Physiologie der Haussäugetiere. Hrsg. W. E. u. A. S. Berl. 1910.
: 636
- 5911 **Smith, R. M.** Physiology of the domestic animals. Philad. 1890.
: 636
- 5911 **Wood, T. B., and Marshall, F. H. A.** Physiology of farm animals. Pt. 1→ Camb. 1920→
- 59112 **Benedict, F. G., and Carpenter, T. M.** Respiration calorimeters. Wash. 1910.
- 591145 **Faust, E. S.** Die Tierischen Gifte. Braunsch. 1906.
- 591156 **Goodale, H. D.** Gonadectomy in relation to secondary sexual characters of domestic birds. Wash. 1916.
- 591157 **Beddard, F. E.** Animal coloration. Lond. 1892.
- 591157 **Poulton, E. B.** The Colours of animals, their meaning and use. Lond. 1890.
- 591157 **Thayer, G. H.** Concealing-coloration in the animal kingdom. New York 1909.
- 591157 **Brücke, E.** Untersuchungen über den Farbenwechsel des afrikanischen Chamäleons. Leip. 1893.
: 59811
- 591159 **Guinard, L.** Précis de tératologie. Paris 1893.
- 59116 **Castle, W. E., and Phillips, J. C.** Germinal transplantation in vertebrates. Wash. 1911.
- 591162 **Loeb, J.** Artificial parthenogenesis and fertilization. Chicago [1913].
- 591169 **Morgan, T. H.** Regeneration. New York 1901.
- 591176 **Goldmann, E. E.** Untersuchungen über die Sekretion des gesunden und kranken Organismus. Tübingen 1912.

·59 ZOOLOGY

- 59118 **Loeb, J.** Comparative physiology of the brain and comparative psychology. Lond. 1905.

·5912 PATHOLOGY.

- 5912 **Hofer, B.** Handbuch der Fischkrankheiten. München 1904.
: 597

·5913 EMBRYOLOGY.

- 5913 **Brachet, A.** L'Œuf et les facteurs de l'ontogénèse. Paris 1917.
- 5913 **Grosser, O.** Vergleichende Anatomie und Entwicklungsgeschichte der Eihäute und der Placenta. Wien 1909.
- 5913 **Long, J. A., and Mark, E. L.** Maturation of the egg of the mouse. Wash. 1911.
- 5913 **Maas, O.** Einführung in die experimentelle Entwicklungsgeschichte. Wiesbaden 1903.
- f. ·5913 **Selenka, E.** Studien über Entwicklungsgeschichte der Tiere. 5 vols. Wiesbaden 1883-1913.
- 5913 **Wolff, C. F.** Theoria generationis. 2 pts. Leip. 1896.
- 591302 **Balfour, F. M.** Treatise on comparative embryology. 2 vols. Lond. 1880-81.
- 591302 **Foster M., and Balfour, F. M.** Elements of embryology. Lond. 1883.
- 591302 **Heape, W.** Text-book of embryology. Ed. W. H. Vol. 1→ Lond. 1914→
- 591302 **Lillie, F. R.** The Development of the chick. New York 1908.
- 591302 **Roule, L.** L'Embryologie comparée. Paris 1894.
- 591302 **Korschelt, E., and Heider, K.** Text-book of embryology of invertebrates. 4 vols. Lond. 1895-1900.
: 592
- 591306 **Embryologisches Institut der K. K. Universität** (4361) **Wien.** Mittheilungen, 1877-92. Wien 1877-92.
- 5913081 **Assheton, R.** Growth in length. Camb. 1916.

- 5913 **Hertwig, O.** Handbuch der vergleichenden und experimentellen Entwicklungslehre der Wirbeltiere. Hrsg. O. H. 3 vols. Jena 1906.
: 596
- f. ·5913 **Keibel, F.** Normentafeln zur Entwicklungsgeschichte der Wirbelthiere. Hrsg. F. K. Pt. 1→ Jena 1897→
: 596
- f. ·5913 **Schauinsland, H.** Entwicklungsgeschichte und Anatomie der Wirbeltiere. 3 pts. Stuttg. 1903.
: 596
- 5913 **Hatschek, B.** The Amphioxus and its development. Lond. 1893.
: 5971
- 5913 **Wille, A.** Amphioxus, and the ancestry of the vertebrates. New York 1894.
: 5971
- 5913 **Balfour, F. M.** Monograph on the development of elasmobranch fishes. Lond. 1878.
: 5973
- 5913 **Morgan, T. H.** The Development of the frog's egg. New York 1897.
: 5978
- 5913 **Chaine, J.** Tableaux synoptiques du développement du lapin. Paris 1911.
: 599
- 5913 **Marshall, A. M.** Vertebrate embryology. Lond. 1893.
: 599
- 59133 **Stevens, N. M.** Studies on the germ cells of aphids. Wash. 1906.
: 595772
- 59134 **Avebury, Sir J. Lubbock, 1st baron.** Origin and metamorphoses of insects. Lond. 1874.
: 5957

·5914 MORPHOLOGY.

- 5914 **Duckworth, W. L. H.** Morphology and anthropology. Vol. 1→ Camb. 1915→
- 5914 **Thompson, D'Arcy W.** On growth and form. Camb. 1917.
- 591402 **Gegenbaur, C.** Elements of comparative anatomy. Lond. 1878.
- 591402 **Lang, A.** Text-book of comparative anatomy. 2 pts. Lond. 1891-96.
- 591402 **Rolleston, G.** Forms of animal life—a manual of comparative anatomy. Enlarged by W. H. Jackson. Oxf. 1888.

·59 ZOOLOGY

- 59I402 **Vogt, C., and Yung, É.** *Traité d'anatomie comparée.*
2 vols. Paris 1888-94.
- 59I404 **Huxley, T. H.** *Lectures on the elements of comparative
anatomy.* Lond. 1864.
- 59I407 **Davenport, C. B.** *Experimental morphology.* 2 vols.
New York 1897-99.
- 59I4 **Gaskell, W. H.** *The Origin of vertebrates.*
: 596 Lond. 1908.
- 59I4 **Kingsley, J. S.** *Comparative anatomy of vertebrates.*
: 596 Lond. 1912.
- 59I4 **Wiedersheim, R.** *Comparative anatomy of vertebrates.*
: 596 Lond. 1907.
- 59I4 **Ecker, A.** *Anatomy of the frog.* Oxf. 1889.
: 5978
- 59I4 **Krause, W.** *Anatomie des Kaninchens.* Leip. 1884.
: 5993²
- 59I4 **Chauveau, A.** *Comparative anatomy of the domesticated
animals.* New York 1891.
: 636
- 59I4 **Ellenberger, W.** *Handbuch der vergleichenden mikro-
scopischen Anatomie der Haustiere.* 3 vols.
: 636 Berl. 1906-11.
- 59I4I2 **Favaro, G.** *Ricerche al cuore dei vertebrati.* 2 pts.
Padova 1913-14.
- B.M. ·59I47 **British Museum.** *Guide to exhibition of specimens
illustrating modification of structure of animals in
relation to flight.* Lond. 1913.
- 59I47 **Marey, E. J.** *Animal mechanism.* Lond. 1873.
- 59I47 **Pettigrew, J. B.** *Animal locomotion.* Lond. 1874.
- 59I47I **College of surgeons of England, Royal.** *Catalogue of
specimens illustrating the osteology and dentition of
vertebrated animals.* Pt. 1→ Lond. 1907→
: 596
- 59I47I **Starks, E. C.** *The Sesamoid articular.*
: 597 Stanford Univ. 1916.
- 59I47I **Flower, W. H.** *Introduction to the osteology of the
Mammalia.* Lond. 1885.
: 599

- '59148 **Mayer, A. G.** Rhythmical pulsation in Scyphomedusæ. Wash. 1906.
: 59373
- '59148 **Donaldson, H. H.** The Rat—reference tables and data. Philad. 1915.
: 59932
- '591485 **Gray, A. A.** The Labyrinth of animals. Vol. 1→ Lond. 1907→
: 596
- '59149 **Reynolds, S. H.** The Vertebrate skeleton. Camb. 1913.
: 596
- '5915 HABITS AND BEHAVIOUR.
- '5915 **Bell, R.** My strange pets. Edin. 1905.
- '5915 **Cornish, C. J.** Animals at work and play. Lond. 1896.
- '5915 **Groos, K.** The Play of animals. Lond. 1898.
- '5915 **Houssay, F.** The Industries of animals. Lond. 1893.
- '5915 **Kearton, R.** With nature and a camera. Lond. 1911.
- '5915 **Mitchell, P. C.** The Childhood of animals. Lond. 1912.
- '5915 **Morgan, C. L.** Animal behaviour. Lond. 1900.
- '5915(54) **Aitken, E. H., pseud. Eha.** The Tribes on my frontier. Calcutta 1884.
- '5915 **Jennings, H. S.** Behaviour of the lower organisms. New York 1906.
: 5931
- '5915 **Fabre, J. H.** Insect life. Lond. 1901.
: 5957
- '5915 ——— Souvenirs entomologiques, études sur l'instinct et les mœurs des insectes. 9 ser. Paris [1879].
: 5957
- '5915 **Avebury, Sir J. Lubbock, 1st baron.** Ants, bees, and wasps—observations on the habits of the social Hymenoptera. Lond. 1883.
: 59579
- '5915 **Peckham, G. W., and E. G.** Wasps, social and solitary. Westm. 1905.
: 59579
- '5915 **Headley, F. W.** Structure and life of birds. Lond. 1895.
: 5982
- '5915 **Witchell, C. A.** Evolution of bird-song. Lond. 1896.
: 5982
- f. '5915 **Millais, J. G.** Game-birds and shooting sketches. Lond. 1892.
: 5985
- f. '5915 ——— Natural history of British game birds. Lond. 1909.
: 5985

59 ZOOLOGY

- 59151 **Avebury, Sir J. Lubbock, 1st baron.** On the senses, instincts, and intelligence of animals. Lond. 1888.
- 59151 **Morgan, C. L.** Animal life and intelligence. Lond. 1891.
- 59151 ——— Habit and instinct. Lond. 1896.
- 59151 **Romanes, G. J.** Animal intelligence. Lond. 1882.
- 59151 **Wasmann, E.** Comparative studies in the psychology of ants. St. Louis 1905.

5916 ECONOMICS.

- B.M. 5916 **British Museum.** Guide to specimens and enlarged models of insects and ticks. Lond. 1916.
- B.M. 5916 ——— Report on economic zoology. No. 1→ By F. V. Theobald. Lond. 1903→
- B.M. 591608 **BRITISH MUSEUM.** Economic series. No. 1→
ECO. Lond. 1915→

12. **Austen, E. E.** The House fly. 1920.
2. **Cummings, B. F.** The Louse and its relation to disease. 1915.
3. **Waterston, J.** Fleas as a menace, etc. 1916.
4. **Edwards, F. W.** Mosquitoes. 1916.
5. **Cummings, B. F.** The Bed-bug. 1917.
6. **Hirst, S.** Arachnida and Myriopoda. 1917.
7. **Kirkpatrick, R.** Biology of waterworks. 1917.
8. **Hinton, M. A. C.** Rats and mice as enemies of mankind. 1918.
9. **Frohawke, F. W.** Birds beneficial to agriculture. 1919.
10. **Calman, W. T.** Marine boring animals injurious to submerged structures. 1919.
11. **Gahan, C. J.** Furniture beetles. 1920.

- 5916 **Miall, L. C.** Injurious and useful insects. Lond. 1902.
- 5957
- 5916 **Bos, J. R.** Thierisch Schädlinge und Nützlinge. Berl. 1891.
- 632
- 59162 **Darwin, C.** Vegetable mould and earthworms. Lond. 1881.

- B.M. 59165 **British Museum.** Illustrations of British blood-sucking flies. Notes by E. E. Austen. Lond. 1906.
- (42)

·59 ZOOLOGY

- B.M.·59165(6) **British Museum.** Illustrations of African blood-sucking flies, other than mosquitoes and tsetse-flies.
By E. E. Austen. Lond. 1909.
- 59166 **Butler, E. A.** Household insects. Lond. 1893.
: 5957
- 59167 **Doflein, F.** Lehrbuch der Protozoenkunde. Jena 1909.
: 5931
- 59169 **Beneden, P. J. van.** Animal parasites. Lond. 1876.
- 59169 **Brumpt, E.** Précis de parasitologie. Paris 1910.
- 59169 **Leuckart, R.** Parasites of man and diseases which proceed from them. Edin. 1886.
- 59169 **Neveu-Lemaire, M.** Parasitologie des animaux domestiques. Paris 1912.
- 59169 **Rivas, D.** Human parasitology. Philad. 1920.
- 5916905 **Archives de parasitologie.** Vol. 10→ Paris 1906→
A.P.
- 5916905 P. **Parasitology.** Vol. 1→ Camb. 1908→
- 59169 **Kellogg, V. L., and Ferris, G. F.** Anoplura and
: 599 Mallophaga of North American mammals.
Stanford Univ. 1915.

·5918 HISTOLOGY.

- 5918 **Dahlgren, U., and Kepner, W. A.** Principles of animal histology. New York 1908.
- 5918 **Ranvier, L.** Traité technique d'histologie.
Paris 1875/82.
- 5918 **Schneider, K. C.** Lehrbuch der vergleichenden Histologie der Tiere. Jena 1902.
- 5918 **Stirling, W.** Text-book of practical histology.
Lond. 1881.
- 5918 **Oppel, A.** Lehrbuch der vergleichenden mikroskopischen Anatomie der Wirbelthiere. Vol. 1→ Jena 1896→
: 596
- 59185 **Klieneberger, C., and Carl, W.** Die Blut-Morphologie der Laboratoriums-Tiere. Leip. 1912.

5919 GEOGRAPHICAL ZOOLOGY.

- 5919 **Heilprin, A.** Geographical and geological distribution of animals. Lond. 1887.
- 5919 **Wallace, A. R.** Geographical distribution of animals. 2 vols. Lond. 1876.
- 5919(22) ——— Island life, or the phenomena and causes of insular faunas and floras. Lond. 1880.
- 5919(23) **Zschokke, F.** Die Tierwelt der Hochgebirgsseen. Zürich 1900.
- 5919 **Tschudi, F. von.** Das Tierleben der Alpenwelt. (2343) Leip. 1890.
- 5919(24) **Banta, A. M.** Fauna of Mayfield's cave. Wash. 1907.
- 5919(26) **Johnstone, J.** Life in the sea. Camb. 1911.
- 5919 **Leslie, G., and Herdman, W. A.** Invertebrate fauna (2612) of the Firth of Forth. Edin. 1881.
- B.M. 5919 **British Museum.** Report on zoological collections made (265) in the Indo-Pacific Ocean during the voyage of H.M.S. *Alert*, 1881-2. Lond. 1884.
- 5919 **Hornell, J.** Marine zoology of Okhamandal in Kathiawar. Vol. 1→ Lond. 1909→
- 5919(28) **Zacharias, O.** Die Tier- und Pflanzenwelt des Süßwassers. 2 vols. Leip. 1891.
- 5919 **Brauer, A.** Die Süßwasserfauna Deutschlands. Hrsg. (28:43) A. B. Heft 1-2A, 3/4-19. Jena 1909.
- f. 5919 **Wesenberg-Lund, C.** Plankton investigations of the (28:489) Danish lakes. [*Danish.*] 2 vols. Copenh. 1904.
- 5919(4) **Scharff, R. F.** History of the European fauna. Lond. 1899.
- 5919(41) **Crawford, J. H.** From fox's earth to mountain tarn. Lond. [1907].
- 5919(41) **Dalyell, Sir J. G.** Rare and remarkable animals of Scotland. 2 vols. Lond. 1847-48.
- 5919(41) **Ritchie, J.** The Influence of man on animal life in Scotland. Camb. 1920.

- 5919 **Alston, C. H.** Wild life in the West Highlands.
(411) Glasg. 1912.
- 5919 **Brown, J. A. Harvie-**, and **Macpherson, H. A.** Fauna
(411) of the North-west Highlands and Skye. Edin. 1904.
- 5919 **St. John, C.** Natural history and sport in Moray.
(4123) Edin. 1882.
- 5919 ——— Note-books. 1846-1853. Invererne, Nairn, Elgin,
(4123) Edin. 1901.
- 5919 **Elliot, G. F. S.** Fauna, flora, and geology of the Clyde
(414) area. Ed. G. F. S. E., etc. Glasg. 1901.
- 5919(54) **Blanford, W. T.**, and **Bingham, C. T.** Fauna of
British India. [*In progress.*] Lond. 1889→
- 5919 **Gardiner, J. S.** Fauna and geography of the Maldiv
(5488) and Laccadive Archipelagoes. Ed. J. S. G. 2 vols.
Camb. 1903-06.
- 5919(6) **Du Chaillu, P.** The World of the great forest.
Lond. 1901.
- 5919(68) **Fitzsimons, F. W.** Natural history of South Africa.
Vol. 1→ Lond. 1919→
- 5919(7) **North American fauna.** No. 1→ Wash. 1889→
- 5919 **Beebe, W.**, and *others.* Tropical wild life in British
(881) Guiana. Vol. 1→ New York 1917→
- 5919(93) **Willey, A.** Zoological results based on material from
New Britain, New Guinea, etc. 6 pts.
Camb. 1898-1902.
- 5919 **Hutton, F. W.** Index faunæ Novæ Zealandiæ. Ed.
(931) F. W. H. Lond. 1904.
- f. 5919 **Kent, W. Saville-**. The Naturalist in Australia.
(94) Lond. 1897.
- 5919 **McCoy, F.** Prodromus of the zoology of Victoria. 2
(945) vols. Melbourne 1885-90.
- f. 5919 **Hawaii.** Fauna Hawaiiensis. 3 vols. Camb. 1913.
(969)
- f. 5919 **Römer, F.**, and **Schaudinn, F.** Fauna arctica. Vol.
(98) 1→ Jena 1900→

·59 ZOOLOGY

- B.M.·5919 **British Museum.** Report on the collections of natural
(99) history made in the antarctic regions during the
voyage of the "Southern Cross". Lond. 1902.

·592-599 SYSTEMATIC ZOOLOGY.

·592 INVERTEBRATES.

- 592 **Brooks, W. K.** Handbook of invertebrate zoology.
Boston [Mass.] 1890.
- 592 **Huxley, T. H.** Manual of the anatomy of invertebrated
animals. Lond. 1877.
- 592 **Shipley, A. E.** Zoology of Invertebrata. Lond. 1893.
- 592(71) **Whiteaves, J. F.** Catalogue of the marine Invertebrata
of Eastern Canada. Ottawa 1901.

·5931 PROTOZOA.

- 5931 **Behla, R.** Die Amöben insbesondere vom parasitären
und culturellen Standpunkt. Berl. 1898.
- 5931 **Calkins, G. N.** The Protozoa. New York 1901.
- 5931 **Dobell, C.** Amoebae living in man. Lond. 1919.
- 5931 **Minchin, E. A.** Introduction to study of the Protozoa.
Lond. 1912.
- 5931(28) **Blochmann, F.** Mikroskopische Thierwelt des Süß-
wassers. Braunsch. 1886.
- 5931(42) **Cash, J., and Hopkinson, J.** British freshwater Rhizo-
poda and Heliozoa. Vol. 1→ Lond. 1905→
- f. ·59311 **Pénard, E.** Faune rhizopodique du bassin du Lemán.
(494) Genève 1902.
- f. ·59312 **Carpenter, W. B., and others.** Introduction to the
study of the Foraminifera. Lond. 1862.
- 59312 **Chapman, F.** The Foraminifera. Lond. 1902.
- f. ·59312 **Williamson, W. C.** Recent Foraminifera of Great
(42) Britain. Lond. 1858.
- 59315 **Kent, W. Saville-.** Manual of the Infusoria. 3 vols.
Lond. 1880-82.

·59 ZOOLOGY

·5934 SPONGES.

- f.* ·5934 **Lendenfeld, R. von.** Monograph of the horny sponges.
Lond. 1889.
- f.* ·5934 **Indian Museum.** Indian Triaxonia collected by *In-*
(267) *vestigator.* By F. E. Schulze. Calcutta 1902.
- 5934(42) **Bowerbank, J. S.** Monograph of the British Spongiadæ.
4 vols. Lond. 1864-82.

·5935 CNIDARIA.

- 5935(42) **Johnston, G.** History of the British zoophytes. 2 vols.
Lond. 1847.

·5936 CORALS.

- f.* ·5936 **Klunzinger, C. B.** Die Korallthiere des Rothen Meeres.
(2675) 3 vols. Berl. 1877-79.
- f.* ·5936 **Kent, W. Saville-.** The Great barrier reef of Australia.
(94) Lond. 1893.
- f.* ·59362 **Thomson, J. A., and Simpson, J. J.** Account of
alcyonarians collected by the *Investigator.*
Calcutta 1909.
- B.M. ·59366 **British Museum.** Catalogue of madreporarian corals.
By G. Brook and H. M. Bernard. Vol. 1→
Lond. 1893→

·5937 HYDROZOA.

- f.* ·5937 **Allman, J.** Monograph of the gymnoblastic or tubularian
hydroids. Lond. 1872.
- 5937(∞) **Mayer, A. G.** Medusæ of the world. 3 vols.
Wash. 1910.
- f.* ·5937 **Huxley, T. H.** Oceanic Hydrozoa. Lond. 1859.
(265)
- f.* ·5937 **Forbes, E.** Monograph of the British naked-eyed
(42) Medusæ. Lond. 1848.
- 5937(42) **Hincks, T.** History of the British hydroid zoophytes.
2 vols. Lond. 1868.
- f.* ·5937(7) **Nutting, C. C.** American hydroids. Pt. 1→
Wash. 1900→

·59 ZOOLOGY

·5938 CTENOPHORA.

- 5938 **Mayer, A. G.** Ctenophores of the Atlantic coast of
(261) North America. Wash. 1912.

·5939 ECHINODERMATA.

- B.M. ·5939 **British Museum.** Catalogue of the British echinoderms.
(42) By F. J. Bell. Lond. 1892.
- f. ·59392 **Indian Museum.** Echinoderma. By R. Koehler.
Calcutta 1909.
- f. ·59392 — Shallow-water Asteroidea. By R. Koehler.
Calcutta 1910.
- f. ·59396 — Deep-sea Holothurioidea. By R. Koehler and C.
(267) Vaney. Calcutta 1905.
- f. ·59396 — Littoral Holothurioidea. By R. Koehler and C.
(267) Vaney. Calcutta 1908.

·594 MOLLUSCA.

- 594 **Macgillivray, W.** The Conchologist's text-book.
Edin. 1845.
- 594 **Tryon, G. W.** Structural and systematic conchology.
3 vols. Philad. 1882-84.
- 594 **Macgillivray, W.** History of the molluscous animals
(4125) of the counties of Aberdeen, Kincardine, and Banff.
Lond. 1843.
- 594(42) **Adams, L. E.** Collector's manual of British land and
fresh water shells. Lond. 1884.
- B.M. ·594 **British Museum.** Catalogue of the British species of
(42) Pisidium. By B. B. Woodward. Lond. 1913.
- 594(42) **Brown, T.** Illustrations of the land and freshwater
conchology of Great Britain and Ireland.
Lond. 1845.
- 594(42) **Sowerby, G. B.** Popular British conchology.
Lond. 1854.
- 594(42) **Taylor, J. W.** Monograph of the land and freshwater
Mollusca of the British Isles. [Vol. 1→]
Leeds 1900→

·59 ZOOLOGY

- 594(81) **MacFarland, F. M.** Mollusca of Branner-Agassiz expedition. Stanford Univ. 1909.
- f. ·59436 **Alder, J., and Hancock, A.** Monograph of the British
(42) nudibranchiate Mollusca. 2 vols. Lond. 1845-1910.

·5947 POLYZOA.

- f. ·5947 **Allman, G. J.** Monograph of the fresh-water Polyzoa. Lond. 1856.
- 5947(42) **Hincks, T.** History of the British marine Polyzoa. 2 vols. Lond. 1880.

·5949 TUNICATA.

- 5949 **Alder, J., and Hancock, A.** British Tunicata—an unfinished monograph. Vol. 1→ Lond. 1905→
- f. ·5949 **Brooks, W. K.** The Genus Salpa. Baltimore 1893.
- 5949 **Hopkinson, J.** Bibliography of the Tunicata, 1469-1910. Lond. 1913.

·595 ARTICULATA.

·5951 WORMS.

- f. ·5951 **M'Intosh, W. C.** Monograph of the British annelids.
(42) Vol. 1→ Lond. 1873→
- 59511 **Linstow, O. von.** Compendium der Helminthologie. Mit Nachtrag—die Litteratur der Jahre, 1878-1889. 2 pts. Hannover 1878-89.
- f. ·595123 **Graff, L. von.** Monographie der Turbellarien. 2 vols. With atlases. Leip. 1882-99.
- f. ·595123 — Die Turbellarien als Parasiten und Wirte. Graz 1903.
- 59513 **Schneider, A.** Monographie der Nematoden. Berl. 1866.
- f. ·59513 **De Man, J. G.** Nematoden der niederländischen
(492) Fauna. Leiden 1884.
- B.M. ·59514 **British Museum.** Catalogue of Chaetopoda. By J. H. Ashworth. Pt. 1→ Lond. 1912→
- 59515 **Nachtrieb, H. F.** Leeches of Minnesota. Minneapolis 1912.
(776)

·59 ZOOLOGY

·59516 **Beddard, F. E.** Monograph of the order of Oligochaeta.
Oxf. 1895.

·59516 **Ehlers, E.** Die Borstenwürmer. 2 vols.
Leip. 1864-68.

·59518 ROTIFERA.

·59518 **Hudson, C. T., and Gosse, P. H.** Rotifera or wheel-
animalcules. 2 vols. Lond. 1886.

·5952 ARTHROPODA.

B.M. ·5952 **British Museum.** Guide to Crustacea, Arachnida, etc.
Lond. 1910.

·5953 CRUSTACEA.

·5953 **Stebbing, T. R. R.** History of Crustacea. Lond. 1893.

·5953 **Sars, G. O.** Crustacea of Norway. Vol. 1→
(481) Christiania 1895→

·59531 **Bernard, H. M.** The Apodidae. Lond. 1892.

·59531 **Baird, W.** Natural history of the British Entomo-
(42) straca. Lond. 1850.

·59532 **Sars, G. O.** Fauna Norwegiæ. Vol. 1. Phyllocarida
(48) and Phyllopoda. Christiania 1896.

·59534 **Brady, G. S.** Monograph of the free and semi-parasitic
(42) Copepoda of the British Islands. 3 vols.
Lond. 1878-80.

·59534 **Scott, T., and A.** British parasitic Copepoda. Vol. 1→
(42) Lond. 1913→

·59534 **Schmeil, O.** Deutschlands freilebende Süßwasser-
(43) Copepoden. 4 pts. Cassel 1892-98.

·59535 **Darwin, C.** Monograph on the sub-class Cirripedia.
2 vols. Lond. 1851-54.

B.M. ·595371 **British Museum.** Catalogue of the specimens of
amphipodous Crustacea. By C. S. Bate.
Lond. 1862.

f. ·5953841 **Indian Museum.** Catalogue of Indian deep-sea
(267) Crustacea, etc. By A. Alcock. Calcutta 1901.

·5953842 **Weymouth, F. W.** True crabs, Brachyura, of Monterey
(794) Bay, California. Stanford Univ. 1910.

·59 ZOOLOGY

·5954 ARACHNIDA.

- 5954 **Fabre, J. H.** Life of the spider. Lond. [1912].
- 5954 **Simon, E.** Histoire naturelle des araignées. Vol. 1→
Paris 1892→
- f. ·5954 **Blackwall, J.** History of the spiders of Great Britain
(42) and Ireland. Lond. 1864.
- 5954(42) **Michael, A. D.** British Oribatidæ. 2 vols.
Lond. 1884-88.
- 5954(42) ——— British Tyroglyphidæ. 2 vols. Lond. 1901-03.
- f. ·5954 **Bösenberg, W.** Die Spinnen Deutschlands.
(43) Stuttg. 1903.
- f. ·5954 **Piersig, R.** Deutschlands Hydrachniden.
(43) Stuttg. 1897/1900.
- 5954(45) **Canestrini, G.** Prospetto dell' acarofauna italiana.
Pts. 1-6. Padova 1885-94.
- B.M. ·5954 **British Museum.** Catalogue of spiders of Burma. By
(592) T. Thorell. Lond. 1895.
- 5954(73) **Emerton, J. H.** Spiders of the United States.
Boston, Mass. 1902.
- 5954² **Christophers, S. R.** Anatomy and histology of ticks.
Calcutta 1906.

·5957 INSECTA.

- B.M. ·5957 **British Museum.** Guide to exhibited series of insects.
[By C. O. Waterhouse.] Lond. 1908.
- 5957 **Wytsman, P.** Genera insectorum. Pt. 1→
Brux. 1902→
- 595702 **Packard, A. S.** Text-book of entomology.
New York 1898.
- 595704 **Badenoch, L. N.** True tales of the insects. Lond. 1899.
- 595704 **Fabre, J. H.** Social life in the insect world.
Lond. 1912.
- 595705 **E. Entomologist, The.** Vol. 1→ Lond. [1842]→
- 595705 **Entomologist's annual, The.** 1855-1874.
E.A. Lond. 1855-74.
- 595705 **Entomologist's monthly magazine, The.** Vol. 3→
E.M. Lond. 1867→

59 ZOOLOGY.

- 5957(28) **Miall, L. C.** Natural history of aquatic insects.
Lond. 1903.
- 5957(4) **Judeich, J. F., and Nitsche, H.** Lehrbuch der mittel-europäischen Forstinsektenkunde. 2 vols.
Wien 1895.
- 5957(42) **Staveley, E. F.** British insects. Lond. 1871.
- 5957(54) **Lefroy, H. Maxwell-.** Indian insect life. Calcutta 1909.
- 5957 **Folsom, J. W.** Entomology, with special reference to
: 591 its biological and economic aspects. Philad. 1914.
- 59571 **Avebury, Sir J. Lubbock, 1st baron.** Monograph of
the Collembola and Thysanura. Lond. 1873.

59572 ORTHOPTERA.

- B.M. 59572 **British Museum.** Synonymic catalogue of Orthoptera
[including those in the British Museum]. By W. F.
Kirby. 3 vols. Lond. 1904-10.
- 59572 **Miall, L. C., and Denny, A.** The Cockroach.
Lond. 1886.
- 59572 **Lucas, W. J.** Monograph of the British Orthoptera.
(42) Lond. 1920.
- 595727 **Shiraki, T.** Acrididen Japans. [Tokyo] 1910.
(52)
- 595727 **Morse, A. P.** Further researches on North American
(7) Acridiidae. Wash. 1907.
- 595729 **Shiraki, T.** Monographie der Grylliden von Formosa.
(512) Taihoku 1911.

59574 NEUROPTERA.

- 59573 **Lucas, W. J.** British dragonflies—Odonata.
(42) Lond. 1900.

59575 HEMIPTERA.

- 59575 **Buckton, G. B.** Monograph of the British Aphides.
(42) 4 vols. Lond. 1876-83.
- 59575 **Newstead, R.** Monograph of the Coccidæ of the British
(42) Isles. 2 vols. Lond. 1901-03.
- 595752 **Cholodovsky, N.** Die Coniferen-Läuse Chermes.
Berl. 1907.

B.M. ·595753 **British Museum.** Synonymic catalogue of Homoptera. Pt. 1. Cicadidae. By W. L. Distant.
Lond. 1906.

·595753 **Buckton, G. B.** Monograph of the British Cicadæ or
(42) Tettigidæ. 2 vols. Lond. 1890-91.

·595753 **Edwards, J.** Hemiptera-homoptera of the British
(42) Isles. Lond. 1896.

B.M. ·595754 **British Museum.** Catalogue of heteropterous Hemiptera. By F. Walker. 8 pts. Lond. 1867-73.

·595754 **Douglas, J. W., and Scott, J.** British Hemiptera.
(42) Vol. 1. Hemiptera-heteroptera. Lond. 1865.

·595754 **Saunders, E.** The Hemiptera heteroptera of the British
(42) Islands. Lond. 1892.

·59576 COLEOPTERA.

·59576 **Fowler, W. W.** Coleoptera of the British Isles. 6
(42) vols. Lond. 1887-1913.

·59577 DIPTERA.

B.M. ·59577 **British Museum.** Monograph of the Culicidæ or mosquitoes received at the British Museum. By F. V. Theobald. 5 vols., and vol. of plates.
Lond. 1901-10.

·59577 **Coblentz, W. W.** Physical study of the firefly.
Wash. 1912.

·59577 **Fabre, J. H.** Life of the fly. Lond. [1913].

·59577 **Giles, G. M.** Handbook of the gnats or mosquitoes.
Lond. 1900.

·59577 **Hewitt, C. G.** The House fly. Manch. 1910.

B.M. ·59577 **Lang, W. D.** Handbook of British mosquitoes.
(42) Lond. 1920.

·59577 **Theobald, F. V.** Account of British flies. Vol. 1→
(42) Lond. 1892→

·59577 **Verrall, G. H.** Platypezidæ, Pipunculidæ, and Syrphidæ of Great Britain. Lond. 1901.

·59577 — Stratiomyidæ and succeeding families of the
(42) Diptera brachycera of Great Britain. (Systematic list of the Palæarctic Dipteral brachycera.)
Lond. 1909.

59577(7) **Howard, L. O.** Mosquitoes of North and Central America and the West Indies. Vol. 1→
Wash. 1912→

B.M. 59577¹ **Lang, W. D.** Map showing the known distribution (42) in England and Wales of the Anopheline mosquitoes. With explanatory texts and notes. Lond. 1918.

B.M. 59577² **British Museum.** Handbook of the tsetse-flies. By E. E. Austen. Lond. 1911.

B.M. 59577² — Monograph of the tsetse-flies, based on the collection in the British Museum. By E. E. Austen. Lond. 1903.

B.M. 59577² **Bezzi, M.** Syrphidæ of the Ethiopian region. (63) Lond. 1915.

59578 LEPIDOPTERA.

59578 **Janet, A.** Les Papillons. Paris 1902.

f. 59578 **Kirby, W. F.** European butterflies and moths. (4) Lond. 1882.

59578(42) **Barrett, C. G.** The Lepidoptera of the British Islands. 11 vols. Lond. 1893-1907.

59578 **Buckler, W.** Larvæ of the British butterflies and moths. (42) 9 vols. Lond. 1886-1901.

59578 **Morris, F. O.** History of British butterflies. (42) Lond. 1891.

59578 — Natural history of British moths. 4 vols. (42) Lond. 1891.

59578 **Tutt, J. W.** British Noctuæ and their varieties. 4 vols. (42) Lond. 1891-92.

59578 — Natural history of British Lepidoptera. Vol. 1→ (42) Lond. 1899→

59578 **Rainbow, W. J.** Guide to study of Australian butterflies. (94) Melbourne 1907.

B.M. 59578¹ **British Museum.** Illustrations of typical specimens of Lepidoptera heterocera. By A. G. Butler, etc. 9 vols. Lond. 1877-93.

59578² **Stainton, H. T.** Natural history of the Tineina. 13 vols. Lond. 1855-73.

- 595782(4) **Stainton, H. T.** Tineina of Southern Europe. Lond. 1869.
 595782 ——— Tineina of Syria and Asia Minor. Lond. 1867.
 (56)
 595782(7) **Clemens, B.** Tineina of North America. Lond. 1872.
 f. 595783 **Seitz, A.** Macrolepidoptera of the world. Ed. A. S.
 (∞) Vol. 1→ Stuttg. 1906→
 595785 **Packard, A. S.** Geometrid moths or Phalænidae of the
 (73) United States. Wash. 1876.
 f. 595787 **Moore, F. C.** Silkworm moths of India: six plates.
 (54)

59579 HYMENOPTERA.

- B.M. 59579 **British Museum.** Revision of the Ichneumonidae.
 Pt. 1→. By C. Morley. Lond. 1912→
 59579 **Cowan, T. W.** The Honey bee. Lond. [1904].
 59579 **Sladen, F. W. L.** The Humble bee. Lond. 1912.
 59579 **Wheeler, W. M.** Ants. New York 1910.
 59579 **Cameron, P.** Monograph of the British phytophagous
 (42) Hymenoptera. 4 vols. Lond. 1882-93.
 59579 **Morley, C.** Ichneumonologia Britannica.
 (42) Plymouth 1903.
 59579 **Saunders, E.** Hymenoptera aculeata of the British
 (42) Islands. Lond. 1896.
 B.M. 595792 **British Museum.** Catalogue of British Hymenoptera.
 (42) By C. Morley. Lond. 1910.

596 VERTEBRATES.

- 596(22) **Dehaut, E. G.** Contributions à l'étude de la vie verté-
 brée insulaire. Paris 1920.
 596 **Eigenmann, C. H.** Cave vertebrates of America.
 (24 : 7) Wash. 1909.
 596(4) **Schmiedeknecht, O.** Die Wirbeltiere Europa's mit
 Berücksichtigung der Faunen von Vorderasien und
 Nordafrika. Jena 1906.
 596(4II) **Brown, J. A. Harvie-, and Buckley, T. E.** Vertebrate
 fauna of Sutherland, Caithness, and West Cromarty.
 Edin. [1887].

•59 ZOOLOGY

- | | | | |
|----------|-------------------------------------------------|----------------------------------------------------|---------------------|
| 596 | Evans, A. H., and Buckley, T. E. | Vertebrate fauna of the Shetland Islands. | Edin. 1899. |
| (4111) | | | |
| 596 | Buckley, T. E., and Brown, J. A. Harvie- | Vertebrate fauna of the Orkney Islands. | Edin. 1891. |
| (4112) | | | |
| 596 | Brown, J. A. Harvie-, and Buckley, T. E. | Vertebrate fauna of the Outer Hebrides. | Edin. 1888. |
| (4117) | | | |
| 596(412) | — | Vertebrate fauna of the Moray basin. | 2 vols. Edin. 1895. |
| | | | |
| 596 | Sim, G. | Vertebrate fauna of "Dee". | Abd. 1903. |
| (4125) | | | |
| 596(413) | Brown, J. A. Harvie- | Fauna of the Tay basin and Strathmore. | Edin. 1906. |
| | | | |
| 596 | Brown, J. A. Harvie-, and Buckley, T. E. | Vertebrate fauna of Argyll and the Inner Hebrides. | Edin. 1892. |
| (4138) | | | |
| 596(414) | Evans, A. H. | Fauna of the Tweed area. | Edin. 1911. |
| | | | |
| B.M. 596 | British Museum. | Guide to the British vertebrates. | |
| (42) | | | London. 1910. |

·597 FISHES.

- B.M. '597 **British Museum.** Catalogue of fishes. By A. Günther.
8 vols. Lond. 1859-70.
- B.M. '597 — — By G. A. Boulenger. Vol. 1→
Lond. 1895→
- B.M. '597 — Guide to gallery of fishes, etc. Lond. 1908.
- '597 **Dean, B.** Fishes, living and fossil. New York 1895.
- '597014 **Jordan, D. S., and Evermann, B. W.** Genera of
fishes, from Linnæus to Cuvier.
Stanford Univ. 1917.
- '59702 **Günther, A. C. L. G.** Introduction to the study of
fishes. Edin. 1880.
- '59706 **North Sea Fisheries**—Investigation committee. Re-
(2612) ports. 1→ Lond. 1905→
- '59706 **Fishery board for Scotland.** Annual report. 1→
(41) Edin. 1883→
- '59706 — Salmon fisheries. 1911→ Lond. 1912→
(41)

- 59706 **Fishery board for Scotland.** Scientific investigations.
(41) 1909→ Lond. 1911→
- 59706 **Department of agriculture and technical instruction**
(415) **for Ireland.** Sea and inland fisheries of Ireland.
Reports. 1897→ Dubl. 1898→
- 59706 **Madras fisheries bureau.** Bulletins. No. 1→
(548) Madras 1910→
- 59706 **United States Commission of fish and fisheries.**
(73) Reports. 1873/4-1885. Wash. 1876-87.
- 597(4) **Europe.** Catalogue des poissons du nord de l'Europe.
Copenhagen 1914.
- B.M. 597 **British Museum.** Guide to the British fresh-water
(42) fishes. Lond. 1917.
- 597(42) **Day, F.** Fishes of Great Britain and Ireland. 2 vols.
Lond. 1880-84.
- f. 597(42) **Houghton, W.** British fresh water fishes.
Lond. [1879].
- f. 597(48) **Fries, B., and others.** History of Scandinavian fishes.
Revised by F. A. Smitt. 3 vols. Stockh. 1892-95.
- B.M. 597(6) **British Museum.** Catalogue of the fresh-water fishes
of Africa. By G. A. Boulenger. 4 vols.
Lond. 1909-16.
- 597(72) **Meek, S. E.** Fresh-water fishes of Mexico.
Chicago 1904.
- 597(81) **Starks, E. C.** Fishes of Stanford expedition to Brazil.
Stanford Univ. 1913.
- f. 597 **Gemmell, J. F.** Teratology of fishes. Glasg. 1912.
: 5912
- 597 : 639 **Cunningham, J. T.** Natural history of marketable fishes
of British Islands. Lond. 1896.
- 5973 **Dean, B.** Chimæroid fishes. Wash. 1906.
- 5975 **Calderwood, W. L.** Life of the salmon. Lond. 1907.
- 5975(41) — Salmon rivers and lochs of Scotland. Lond. 1909.
- 5975(94) **Wilson, Sir S.** Salmon at the antipodes. Lond. 1879.

59 ZOOLOGY

- 5975 **Starks, E. C.** Osteology of certain scombroïd fishes.
: 591471 Stanford Univ. 1911.

5976 AMPHIBIA.

- B.M. 5978 **British Museum.** Catalogue of Batrachia salientia. By
A. Günther. Lond. 1858.
B.M. 5978 — — By G. A. Boulenger. Lond. 1882.
5978(4) **Boulenger, G. A.** Tailless batrachians of Europe. 2
vols. Lond. 1897-98.
5978(7) **Wright, A. H.** North American Anura. Wash. 1914.
B.M. 5979 **British Museum.** Catalogue of the Batrachia gradientia
s. caudata and Batrachia apoda. By G. A. Bou-
lenger. Lond. 1882.

5981 REPTILES.

- B.M. 5981 **British Museum.** Catalogue of marine reptiles of the
(26) Oxford Clay. By C. W. Andrews. Vol. 1→
Lond. 1910→
f. 5981 **Günther, A. C. L. G.** Reptiles of British India.
(54) Lond. 1864.
B.M. 59811 **Boulenger, G. A.** Monograph of the Lacertidæ. Vol.
1→ Lond. 1920→
B.M. 59811 **British Museum.** Catalogue of lizards. By G. A.
Boulenger. 3 vols. Lond. 1885-87.
B.M. 59812 — Catalogue of colubrine snakes. By A. Günther.
Lond. 1858.
B.M. 59812 — Catalogue of snakes. By G. A. Boulenger. 3 vols.
Lond. 1893-96.
B.M. 59813 — Catalogue of the chelonians, rhynchocephalians,
and crocodiles. By G. A. Boulenger. Lond. 1889.
B.M. 59813 — Gigantic land tortoises. By A. Günther.
Lond. 1877.

5982 BIRDS.

- B.M. 5982 **British Museum.** Catalogue of birds. By R. B.
Sharpe, etc. 27 vols. Lond. 1874-98.

- B.M.·5982 **British Museum.** Catalogue of the collection of birds' eggs in the British Museum. By E. W. Oates and S. G. Reid. 5 vols. Lond. 1901-12.
- B.M.·5982 — — Corrections. By F. C. R. Jourdain. [*The Ibis*, Oct., 1913.]
- B.M.·5982 — — Guide to the gallery of birds in the department of zoology. [By W. R. Ogilvie-Grant.] Lond. 1905.
- B.M.·5982 — — Hand-list of genera and species of birds. By R. B. Sharpe. 5 vols. Lond. 1899-1909.
- — Index. Lond. 1912.
- 5982 **Greene, W. T.** Feathered friends, old and new. Lond. 1896.
- f.·5982 **Nitzsch, C. L.** Pterylography. Lond. 1867.
- 5982 **Pike, O. G.** Through birdland byways with pen and camera. Lond. [1910].
- 598203 **Newton, A., and Gadow, H.** Dictionary of birds. Lond. 1896.
- 598204 **Turner, W.** Turner on birds. Ed. A. H. Evans. Camb. 1903.
- 598207 **Coues, E.** Handbook of field and general ornithology. Lond. 1890.
- 5982084 **Thorburn, A.** A Naturalist's sketch book. Lond. 1919.
- 016 **Mullens, W. H., and Swann, H. K.** Bibliography of : 5982 British ornithology. Lond. 1917.
- f.·5982(4) **Dresser, H. E.** Eggs of the birds of Europe. 2 vols. Lond. 1910.
- 5982(4I) **Gordon, S. P.** Birds of the loch and mountain. Lond. [1907].
- 5982(4I) — — Hill birds of Scotland. Lond. 1915.
- 5982 **Saxby, H. L.** Birds of Shetland. Edin. 1874.
- (4III)
- 5982 **Selous, E.** The Bird watcher in the Shetlands. Lond. 1905.
- (4III)
- 5982 **Graham, H. D.** Birds of Iona and Mull. Edin. 1890.
- (4III7)

- 5982 **Gray, R.** Birds of the west of Scotland. Glasg. 1871.
(4117)
- 5982 **Blackburn, Mrs. H.** Birds from Moidart and elsewhere.
(4138) Edin. 1895.
- 5982 **Muirhead, G.** Birds of Berwickshire. 2 vols.
(4145) Edin. 1889-95.
- 5982 **Gladstone, H. S.** Birds of Dumfriesshire. Lond. 1910.
(4148)
- 5982(42) **Arnold, E. L.** Bird life in England. Lond. 1887.
- 5982(42) **Dixon, C.** Among the birds in northern shires.
Lond. 1900.
- 5982(42) — Game birds and wild fowl of the British Islands.
Sheffield 1900.
- 5982(42) — Our favourite song birds. Lond. 1897.
- 5982(42) **Harting, J. E.** Handbook of British birds. Lond. 1872.
- 5982(42) **Hudson, W. H.** Birds and man. Lond. 1901.
- 5982(42) **Kearton, R.** British birds' nests. Lond. 1895.
- 5982(42) — Our rarer British breeding birds, their nests, eggs,
and summer haunts. Lond. 1900.
- 5982(42) **Kirkman, F. B. B.** The British bird-book. 4 vols.
Lond. 1911-13.
- 5982(42) **Macgillivray, W.** History of British birds. 5 vols.
Lond. 1837-52.
- 5982(42) **Saunders, H.** Illustrated manual of British birds.
Lond. 1899.
- 5982(42) **Thomson, A. L.** Britain's birds and their nests.
Lond. 1910.
- 5982(42) **Turner, E. L., and Bahr, P. H.** The Home-life of
some marsh-birds. Lond. 1907.
- 5982 **Dixon, C.** Bird-life of London. Lond. 1909.
(421)
- 5982 **Valentine, J. T. Tristram-** London birds and beasts.
(421) Lond. 1895.

59 ZOOLOGY

- 5982(7) **Baird, S. F., and others.** History of North American birds. Land birds. 3 vols. and plates.
Boston [Mass.] 1874.
- 5982(7) ——— Water birds of North America. 2 vols.
Boston [Mass.] 1884.
- 5982(7) **Blanchan, N.** Birds that hunt and are hunted.
New York 1899.
- 5982(7) **Elliot, D. G.** North American shore birds. Lond. 1895.
- 5982(7) **Reed, C. A.** North American birds eggs.
New York 1904.
- 5982 **Gosse, P. H.** Birds of Jamaica. (Illustrations)
(7292) Lond. 1847 (1849).
- 5986(42) **Grouse disease committee.** The Grouse in health and disease. 2 vols. Lond. 1911.
- 5986(42) ——— ——— Ed. A. S. Leslie. Lond. 1912.
- 5989(41) **Macpherson, H. B.** The Home life of a golden eagle photographed and described. Lond. 1910.

599 MAMMALS.

- 599 **Flower, Sir W. H., and Lydekker, R.** Mammals, living and extinct. Lond. 1891.
- 599 **Osborn, H. F.** The Age of mammals. New York 1910.
- 599 **Schmidt, O.** The Mammalia in their relation to primeval times. Lond. 1885.
- 599(∞) **Sclater, W. L., and P. L.** Geography of mammals.
Lond. 1899.
- B.M. 599 **British Museum.** Catalogue of the mammals of
(4) Western Europe. By G. S. Miller. Lond. 1912.
- 599(42) **Bell, T.** History of British quadrupeds, including the Cetacea. Lond. 1874.
- 599(42) **Harting, J. E.** British animals extinct within historic times. With some account of British wild white cattle. Lond. 1880.
- f. 599(42) **Millais, J. G.** The Mammals of Great Britain and Ireland. 3 vols. Lond. 1904-06.

59 ZOOLOGY

- 599(72) **Elliot, D. G.** Land and sea mammals of Middle America and the West Indies. 2 pts. Chicago 1904.
- 599:575 **Parker, W. K.** On mammalian descent. Lond. 1885.
- B.M. 5992 **British Museum.** Catalogue of Marsupialia and Monotremata. By O. Thomas. Lond. 1888.
- B.M. 5994 — Catalogue of the Chiroptera. By K. Anderson. Vol. 1→ Lond. 1912→
- B.M. 5995 — Guide to whales, porpoises, and dolphins. [By R. Lydekker.] Lond. 1909.
- B.M. 5996I — Guide to elephants. [By C. W. Andrews.] Lond. 1908.
- 5997 **Winans, W.** Deer breeding for fine heads. Lond. 1913.
- 5997(5) **Indian Museum.** Catalogue of Asiatic horns and antlers. By T. Bentham. Calcutta 1908.
- B.M. 5997 **British Museum.** Catalogue of heads and horns of (54) Indian big game. By R. Lydekker. Lond. 1913.
- B.M. 5997I — Catalogue of ungulate mammals. By R. Lydekker. 5 vols. Lond. 1913-16.
- B.M. 5997I — Guide to the great game animals, etc. [By R. Lydekker.] Lond. 1907.
- B.M. 599735 — Catalogue of ruminant Mammalia. By J. E. Gray. Lond. 1872.
- 59975 **Lane, C. H.** Rabbits, cats, and covies. Lond. 1903.
- 59975 **Youatt, W.** The Dog. Lond. 1874.
- 5998 **Hartmann, R.** Anthropoid apes. Lond. 1885.
- 5999 **Hopf, L.** The Human species. Lond. 1909.

·619 VETERINARY SCIENCE.

- 619 **Friedberger, F., and Fröhner, E.** Lehrbuch der speciellen Pathologie und Therapie der Haustiere. 2 vols. Stuttg. 1889.
- 619 **Leighton, G.** The Modern veterinary adviser. Ed. G. L. 5 vols. Lond. 1910-11.
- 619 **Mayo, N. S.** Diseases of animals. New York 1911.
- 619 **Moore, V. A.** Pathology and differential diagnosis of infectious diseases of animals. Ithaca, N.Y. 1908.
- 619 **Strangeways, T.** Veterinary anatomy. Edin. 1886.
- 619 **Thompson, H.** Elementary lectures on veterinary science. Lond. 1908.
- 619 **Williams, W.** Principles and practice of veterinary medicine. Edin. 1888.
- 619 ——— Principles and practice of veterinary surgery. Edin. 1886.
- 61905 **Archiv für wissenschaftliche und praktische Thier-**
A.T. heilkunde. Vol. 12→ Berl. 1886→
- 61905 **Jahres-Bericht über die Fortschritte der Tier-**
J.F. Chemie. Vol. 15→ Wiesbaden 1886→
- 61905 **Journal of comparative pathology and therapeutics.**
J.C. Vol. 1→ Edin. 1888→
- 619(682) **Transvaal—Department of agriculture.** Veterinary bacteriological laboratories. Pretoria 1909.
- 619 **Nocard, E. I. E., and Leclainche, E.** Maladies micro-
: 5768 biennes des animaux. Paris 1898.
- 619 **Smith, F.** Manual of veterinary physiology.
: 612 Lond. 1912.
- 619 **Niemann, F., and Profé, O.** Grundriss der Veterinär-
: 6149 Hygiene. Berl. 1903.

619 VETERINARY SCIENCE

- 619 **Smith, F.** Manual of veterinary hygiene. Lond. 1905.
: 6149
- 6191 **Axe, J. W.** The Horse—its treatment in health and
disease. 9 vols. Lond. 1907.
- 6191 **Fitzwygram, Sir F. W.** Horses and stables.
Lond. 1911.
- 6192 **Armatage, G.** Every man his own cattle doctor.
Lond. 1882.
- 6192 **Gresswell, G.** Diseases and disorders of the ox.
Lond. 1889.
- 6192 **Hamilton, D. J.** Infectious pleuro-pneumonia of cattle.
Abd. 1889.
- 6192 **Walley, T.** The Four bovine scourges. Edin. 1879.
- In ·61921 **Hamilton, D. J., and Young, J. M.** Relationship of
: 616995 human tuberculosis to that of bovines. Abd. 1903.
YOU.
- 61921 **Nocard, E. I. E.** Animal tuberculoses and their rela-
: 616995 tion to human tuberculosis. Lond. 1895.
- In ·61921 **Young, J. M.** Milk of tuberculous cows. [Abd.] 1903.
: 616995
- In ·61921 — Value of tuberculin as a test. [Abd.] 1902.
: 616995
- 61931 **M'Gowan, J. P.** Investigation into the disease of sheep
called "scrapie". Edin. 1914.
- 61931 **Meyer, A. W.** Hemolymph nodes of the sheep.
Stanford Univ. 1914.
- 6194 **United States—Department of Agriculture.** Hog
cholera. Wash. 1889.

·62 ENGINEERING.

- 6201 **Ewing, Sir J. A.** The Strength of materials. Camb. 1903.
- 6205 E **Engineering:** an illustrated weekly journal. Vol. 105→ Lond. 1918→
- 6206 I.E.P. **Institution of civil engineers.** Minutes of proc. Vol. 47-49, 51-55, 57-72, 74-78, 107-126, 128→ Lond. 1877→

·621 MECHANICAL ENGINEERING.

- 621022 **Jamieson, A.** Text-book on applied mechanics. 2 vols. Lond. 1903.
- 621022 **Low, D. A.** Applied mechanics. Lond. 1910.
- 621022 **Perry, J.** Applied mechanics. Lond. 1905.
- 621023 **Jamieson, A.** Elementary manual on applied mechanics. Lond. 1902.
- 62108 **French, J. W.** Modern power generators. Lond. 1908.

·6211 STEAM ENGINEERING.

- 6211022 **Ewing, Sir J. A.** The Steam engine. Camb. 1902.
- 6211022 **Jamieson, A.** Text-book on steam and steam engines. Lond. 1901.
- 6211022 **Perry, J.** The Steam engine. Lond. 1900.
- 6211023 **Jamieson, A.** Elementary manual on steam and steam engines. Lond. 1902.
- 62111 **Gentsch, W.** Steam turbines. Lond. 1906.
- 621124 **Durand, W. F.** Researches on the screw propeller. Wash. 1907.
- 62113 **Goss, W. F. M.** Superheated steam. Wash. 1910.
- 6211343 — High steam pressures. Wash. 1907.

·62 ENGINEERING

·6212 WATER ENGINEERING.

·6213 ELECTRICAL ENGINEERING.

- 621302 **Heather, H. J. S.** Electrical engineering.
Lond. [1912].
- 621308 **Munro, J., and Jamieson, A.** Pocket-book of electrical
rules and tables. Lond. 1903.
- 621312 **Hare, A. T.** Construction of large induction coils.
Lond. 1900.
- 6213121 **Kinzbrunner, C.** Testing of continuous current
machines. Lond. 1904.
- 62133 **Gerard, E.** Traité complet d'électrotraction.
Brux. 1897.

·6214 GAS ENGINEERING.

- 6214 **Newbigging, T.** Handbook for gas engineers.
Lond. 1898.
- 6215 **Ewing, Sir J. A.** Mechanical production of cold.
Camb. 1908.

·63 AGRICULTURE.

- 63 **Benson, O. H., and Betts, G. H.** Agriculture and the farming business. Lond. [1917].
- 63 **Curtis, C. E.** Estate management. Lond. 1911.
- 63 **Henderson, R.** The Estate manager. Edin. 1910.
- 63 **Hunt, T. F.** How to choose a farm. New York 1911.
- 63 **Roberts, I. P.** The Farmstead. New York 1911.
- 63 **Smith, H. H.** Principles of landed estate management. Lond. 1898.
- 6302 **Bailey, L. H.** Principles of agriculture. New York 1912.
- 6302 **Fream, W.** Elements of agriculture. Lond. 1914.
- 6302 **Morton, J. C.** Labour. Lond.
- 6302 **Muir, J.** Agriculture, practical and scientific. Lond. 1895.
- 6302 **Shepherd, E. T.** Practical farming. Lond. 1906.
- 6302 **Stephens, H.** Book of the farm. In part re-written by J. MacDonald. 3 vols. Edin. 1908.
- 6302 **Tod, W. M.** Farming. Lond. 1903.
- 6302 **Warren, G. F.** Elements of agriculture. New York 1909.
- 6302 **Youatt, W.** The Complete grazier. Re-written by W. Fream. Lond. 1908.
- Ref.* ·6303 **Bailey, L. H.** Cyclopedia of American agriculture. Ed. L. H. B. 4 vols. New York 1907-09.
- Ref.* ·6303 **Green, C. E., and Young, D.** Encyclopædia of agriculture. 4 vols. Edin. [1907-09].
- 6303 **Morton, J. C.** Cyclopedia of agriculture, practical and scientific. 2 vols. Glasg. 1869.

·63 AGRICULTURE

- Ref.* ·6303 **Wright, R. P.** Standard cyclopedia of modern agriculture. 12 vols. Lond. 1908-11.
- 6304 [Arbuthnot, J.] True method of treating light hazely ground. Edin. 1811.
- Λ **Beaton, H., Mrs.** Notes on farming. Peterhead 1905.
- 6304 [Grant, Sir A.] Chief obstacles to the improvement of land. Abd. 1760.
- 6304 **Haggard, Sir H. Rider.** A Farmer's year. Lond. 1906.

·6305 PERIODICALS.

- 6305 A.G. **Agricultural gazette.** Vol. 92→ Lond. 1920→
- 6305 A.J. **Agricultural journal of the Union of South Africa.**
Vol. 2→ Pretoria 1911→
- 6305 A.A. **Annales agronomiques.** Vol. 22→ Paris 1896→
- 6305 A.S. **Annales de la science agronomique.** Ser. 2. 1896→
Paris 1896→
- 6305 **Annuaire international de legislation agricole.**
A.I.L. 1916→ Rome 1917→
- 6305 **Annuaire international de statistique agricole.**
A.I.S. 1915/16→ Rome 1917→
- 6305 J.L. **Journal für Landwirthschaft.** Vol. 39→ Berl. 1891→
- 6305 J.R. **Journal of agricultural research.** Vol. 1→
Wash. [1914]→
- 6305 J.S. **Journal of agricultural science.** Vol. 1→
Camb. 1905→
- 6305 L.J. **Landwirtschaftliche Jahrbücher.** With supplements.
Vol. 20→ Berl. 1891→
- 6305 L.V. **Landwirtschaftliche Versuchs-Stationen.** Vol. 39→
Berl. 1891→
- 6305 N.B. **North British agriculturist.** Vol. 65→ Edin. 1913→
- 6305 S.F. **Scottish farmer.** Vol. 8→ Glasg. 1900→
- 6305 S.J. **Scottish journal of agriculture.** Vol. 1→
Edin. [1918]→
- 6305 S.S. **Soil science.** Vol. 1→ New Brunswick, N.J. [1916]→

*63 AGRICULTURE

- | | | | |
|----------|------------------------------------------|-----------------------|---------------|
| *6305 | Agricultural news. | Vol. 13→ | Lond. [1914]→ |
| (729) | A.N. | | |
| *6305:54 | Biedermann's Zentralblatt | [für Agrikulturchemie | |
| B.C. | <i>till 1919</i>]. | Vol. 33→ | Leip. 1904→ |
| *63059 | British year-book of agriculture. | 1908/09→ | |
| B.Y. | | | Lond. 1908→ |

·6306 SOCIETIES.

- *6306 A.S. **Agricultural society of England, Royal.** Journal.
Vol. 1→ London, 1840→
- *6306 I.I. **Imperial Institute.** Bulletin. Vol. 1→
London, [1903]→
- *6306 **International Institute of agriculture.** Bureau of
I.A.A. agricultural intelligence. Bulletins. 1911→
Rome 1911→
- *6306 — Bureau of economic and social intelligence. Bulle-
I.A.E. tins. 1911→ Rome 1911→
- *6306 — Bureau of statistics. Bulletins. 1914→
I.A.S. Rome 1915→
- *6306 B.St. **Ministry (formerly Board) of agriculture and fish-
eries.** Agricultural statistics. 1902→ London, 1903→
- *6306 B.D. — Diseases of animals acts. Proc. 1894→
London, 1895→
- *6306 B.G. — Grants for agricultural education. 1891/92→
London, 1892→
- *6306 B.J. — Journal. Vol. 1-3, 6→ London, 1895→
- *6306 B.L. — Leaflets. 1→ London, 1913→
- *6306 B.S. — Sale of food and drugs acts. Proc. 1901→
London, 1902→
- *6306 — Salmon and fresh-water fisheries acts, etc. Proc.
B.Sa. 1903→ London, 1904→
- *6306 — Sea fisheries acts. Proc. 1903→ London, 1905→
B.Se.
- *6306 — Small holdings and allotments act. Proc. 1908→
B.Sm. London, 1909→
- *6306 B.T. — Tithe acts, etc. Proc. 1901→ London, 1902→

·63 AGRICULTURE

- 6306 R.M. **Rothamsted experimental station.** Memoirs on agricultural science. Vol. 8→ Harpenden 1914→
- 6306 R.R. ——— Reports. 1911→ Harpenden 1912→
- f. ·6306 **Congested districts board, Scotland.** Reports. 1→
(41) C.D. Glasg. [1899]→
- 6306 **Highland and agricultural society of Scotland.**
(41) H. Trans. [Ser. I.], vols. 1-4, 6; Ser. II.→
Edin. 1799→
- 6306 **Agricultural research association.** Proc. 1885→
(4125) A.A. [Abd. 1887]→
- 6306 **North of Scotland College of agriculture.** Bulletins.
(4125) A.N. 1/14→ Abd. 1910→
- 6306 ——— Former students' association. Trans. 1911/12→
(4125) A.N.F. Abd. 1912→
- Ref. ·6306 ——— Minutes and proceedings. 1904/08→ [1908]→
(4125) A.N.M.
- 6306 **West of Scotland agricultural college.** Reports.
(4143) 7→ Glasg. 1906→
- 6306 **Department of agriculture and technical instruction
for Ireland.** Journal. Vol. 2→ Dubl. [1902]→
(415) J.
- 6306 ——— Reports. 1→ Dubl. 1901→
(415) R.
- 6306 **Cockle Park, Northumberland.** County agricultural
(4282) experiment station. Experiments. 1912→
Newcastle-upon-Tyne 1912→
- 6306 **India—Department of agriculture.** Memoirs. Bo-
(54) M.B. tanical ser. Vol. 1→ Calcutta [1906]→
- 6306 ——— ——— Chemical ser. Vol. 1→ Calcutta [1906]→
(54) M.C.
- 6306 ——— ——— Entomological ser. Vol. 1→
(54) M.E. Calcutta [1906]→
- 6306 ——— Review of agricultural operations in India.
(54) R.A. 1904/05→ Calcutta 1906→
- 6306 **Pusa—Agricultural research institute.** Reports.
(54) P.A. 1907/09→ Calcutta 1909→

- f. ·6306 **Union of South Africa—Department of agriculture.**
(68) R. Reports. 1910/11→ Cape Town 1913→
- 6306(7) **Association of official agricultural chemists of North**
A.O. America. Journal. Vol. 1→ Baltimore 1916→
- 6306 **Canada—Department of agriculture.** Experimental
(71) E.R. farms. Reports. 1889→ Ottawa 1890→
- 6306 **West Indies—Department of agriculture.** West
(729) Indian bulletin. Vol. 1→ Barbados 1900→
- 6306 **American society of agronomy.** Journal. Vol. 12→
(73) A.A. Wash. 1920→
- 6306 **United States Department of agriculture.** Bureau
(73) A. of animal industry. Reports. 1→ Wash. 1885→
- 6306 — Experiment station record. Vol. 7→
(73) EX.R. Wash. 1897→
- 6306 — Year-book. 1894→ Wash. 1895→
(73) Y.
- 6306 **Connecticut Agricultural experiment station.** Re-
(746) R. ports. 1881/82, 1884→
New Haven, Hartford 1882→
- 6306 **New York Agricultural experiment station.** Bulle-
(747) B. tins. 114→ Geneva, N.Y. 1897→
- 6306 **Wisconsin University—Agricultural experiment**
(775) R. station. Reports. 12, 14-16, 18-23, 25→
Madison 1896→
- 6306 **California University—College of agriculture.** Agri-
(794) B. cultural experiment station. Bulletins. 161→
Sacramento 1906→
- 6306 — — Reports. 1892/93→ Sacramento 1894→
(794) R.
- 6306 **New Zealand—Department of agriculture.** Reports.
(931) R. 1901→ Wellington 1901→
- 6306 **South Australia—Department of agriculture.** Jour-
(942) J. nal. Vol. 8→ Adelaide 1905→
- 6307 **Reading, University College.** Agricultural education.
Report. Reading 1910.

·63 AGRICULTURE

- 630821 **Encyclopédie agricole.** *In progress.* Paris 1904→
 ·63083 **Bright, T.** Agricultural surveyor and estate agent's handbook. Lond. 1911.

·6309 HISTORY.

- 6309 **Buschan, G.** Vorgeschichtliche Botanik der Cultur- und Nutzpflanzen der alten Welt. Breslau 1895.
 ·6309 **Candolle, A. de.** Origin of cultivated plants. Lond. 1884.
 ·6309 **Clarke, Sir E.** History of the Board of agriculture, 1793-1822. Lond. 1898.
 ·6309 **Elliot, R. H.** Agricultural changes required by these times. Kelso 1905.
 ·6309(42) **Green, F. E.** A History of the English agricultural labourer, 1870-1920. Lond. 1920.
 ·6309(42) **Jamieson, T.** History of agricultural science in Great Britain. Edin. [1911].
 f.·6309(47) **Direction générale de l'organisation agraire et de l'agriculture.** Les Travaux des commissions agraire, 1907-1911. St. Pétersbourg 1912.

Ref. ·016 Agricultural index. 1→

- :63 White Plains, N.Y., New York 1917→
 ·63092 **Ormerod, E. A.** Eleanor Ormerod, LL.D.: autobiography. Ed. R. Wallace. Lond. 1904.

·63(·) REGIONAL AGRICULTURE.

- 63(∞) **Finch, V. C., and Baker, O. E.** Geography of the world's agriculture. Wash. 1917.
 ·63(213) **Nicholls, H. A. A.** Text-book of tropical agriculture. Lond. 1911.
 ·63(213) **Willis, J. C.** Agriculture in the tropics. Camb. 1909.
 ·63(41) B. **Board of agriculture.** General view of the agriculture [of Scotland]. 29 pts.* Edin., Lond. 1794-97.
 ·63(41) B.A.— General view of the agriculture [of Scotland. Second series]. 30 pts.* Abd., etc., 1795-1816.

* Detailed lists will be found in the 1906 edition of the Science Catalogue.

·63 AGRICULTURE

- 63(415) **Department of agriculture and technical instruction for Ireland.** Ireland, industrial and agricultural.
Dubl. 1902.
- 63(42) **Haggard, Sir H. Rider.** Rural England. 2 vols.
Lond. 1906.
- 63(43) **Dade, H.** Die Deutsche Landwirtschaft unter Kaiser Wilhelm II. 2 vols. Halle a.S. 1913.
- f. ·63(47) **Russia.** La Reforme agraire en Russie.
St. Pétersbourg [1913].
- 63(489) **Faber, H.** Co-operation in Danish agriculture.
Lond. 1918
- 63(489) **Haggard, Sir H. Rider.** Rural Denmark and its lessons.
Lond. 1911.
- 63(492) **Scott, J. W. Robertson-.** War time and peace in Holland.
Lond. 1914.
- 63(52) **Japan.** Outlines of agriculture in Japan. Tokyo 1910.
- 63(54) **Pogson, F.** Manual of agriculture for India.
Calcutta 1883.
- 63(68) **Thomas, O.** Agricultural prospects of South Africa.
Lond. 1904.
- 63(687) **Wallace, R.** Farming industries of Cape Colony.
Lond. 1896.
- 63(71) **Canada.** Canada's fertile northland. Ed. E. J. Chambers. Ottawa 1907.
- 63(7124) **Saskatchewan.** Agricultural credit commission, 1913.
Report. Regina 1913.
- 63(943) **Weedon, T.** Queensland past and present.
Brisbane 1898.

·63 : 33 AGRICULTURAL ECONOMICS.

- 63 : 338 **Fairchild, G. T.** Rural wealth and welfare.
New York 1900.
- 63 : 34 **Collings, J.** Land reform, etc. Lond. 1906.
- 63 : 34 **Curtis, C. E., and Gordon, R. A.** Agricultural tenancies.
Lond. 1910.

·63 AGRICULTURE

·63 : 53 AGRICULTURAL PHYSICS.

- 63 : 53 **King, F. H.** Text-book of the physics of agriculture.
Madison, Wis. 1910.
- 63 : 537 **Lemström, S.** Electricity in agriculture and horticulture.
Lond. 1904.

·63 : 54 AGRICULTURAL CHEMISTRY.

- 63 : 54 **Boussingault, J. B.** Agronomie, chimie agricole et physiologie. 8 vols. Paris 1864-91.
- 63 : 54 **Chamberlain, J. S.** Organic agricultural chemistry.
New York 1917.
- 63 : 54 **Deherain, P. P.** Traité de chimie agricole. Paris 1892.
- 63 : 54 **Forbes, E. B., and Keith, M. H.** Review of literature of phosphorus compounds in animal metabolism.
Wooster 1914.
- 63 : 54 **Fraps, G. S.** Principles of agricultural chemistry.
Easton, Pa. 1917.
- 63 : 54 **Grandeau, L.** Traité d'analyse des matières agricoles.
2 vols. Paris 1897.
- 63 : 54 **Ingle, H.** Manual of agricultural chemistry.
Lond. 1902.
- 63 : 54 **König, J.** Die Untersuchung landwirthschaftlich und gewerblich wichtiger Stoffe. Berl. 1891.
- 63 : 54 **Mayer, A.** Lehrbuch der Agrikulturchemie. 3 vols.
Heidelb. 1901-02.
- 63 : 54 **Rothamsted experimental station.** Six lectures on war. investigations. By R. Warington. Wash. 1892.
- 63 : 54 **Snyder, H.** Chemistry of plant and animal life.
New York 1912.
- 63 : 54 **Stoddard, C. W.** Chemistry of agriculture.
Philad. [1915].
- 63 : 54 **Wiley, H. W.** Principles and practice of agricultural analysis. 2 vols. Easton, Pa. 1906-08.
- Ref.* ·63 **Passon, M.** Kleines Handwörterbuch der Agrikulturchemie. 2 vols. Leip. 1910.
- : 5403

•63 AGRICULTURE

- 63 **Rothamsted experiments.** By Sir J. B. Lawes and
: 54082 Sir J. H. Gilbert. Edin. 1895.
63 — By A. D. Hall. Revised by E. J. Russell.
: 54082 Lond. 1917.

·63 : 55 AGRICULTURAL GEOLOGY.

- | | | | |
|----------|---------------------------|------------------------------------------------|----------------|
| ·63 : 55 | Emerson, F. V. | Agricultural geology. | New York 1920. |
| ·63 : 55 | McConnell, P. | Agricultural geology. | Lond. 1902. |
| ·63 : 55 | Marr, J. E. | Agricultural geology. | Lond. 1903. |
| ·63 : 55 | Merrill, G. P. | Treatise on rocks, rock-weathering, and soils. | New York 1906. |
| ·63 : 55 | Rastall, R. H. | Agricultural geology. | Camb. 1916. |
| ·63 : 55 | Stockbridge, H. E. | Rocks and soils. | New York 1906. |
| ·63 : 55 | Woodward, H. B. | Geology of soils and substrata. | Lond. 1912. |

63:5768 AGRICULTURAL BACTERIOLOGY.

- '63 : 5768 **Conn, H. W.** Agricultural bacteriology. Lond. 1902.
 '63 : 5768 **Ellis, D.** Outlines of bacteriology. Lond. 1909.
 '63 : 5768 **Lipman, J. G.** Bacteria in relation to country life.
 New York 1911.
 '63 : 5768 **Löhnis, F.** Handbuch der landwirtschaftlichen Bak-
 teriologie. Berl. 1910.
 '63 : 5768 — Vorlesungen über landwirtschaftliche Bakteriologie.
 Berl. 1913.
 '63 : 5768 **Percival, J.** Agricultural bacteriology. Lond. 1910.
 '63 : 5768 **Reed, H. S.** Manual of bacteriology.
 Boston [Mass. 1914].

63 : 58 AGRICULTURAL BOTANY.

- 63 : 58 **Percival, J.** Agricultural botany. Lond. 1900.
·63 : 58 **Robbins, W. W.** Botany of crop plants. Philad. [1917].
·63 : 58 **Schribaux, E., and Nanot, J.** Éléments de botanique agricole. Paris 1903.

·63 AGRICULTURE

·63 : 59 AGRICULTURAL ZOOLOGY.

- 63 : 59 **Theobald, F. V.** Agricultural zoology. Edin. 1913.
·63 **Guenaux, G.** Entomologie et parasitologie agricoles.
: 59145 Paris 1904.

·63 : 657 AGRICULTURAL BOOK-KEEPING.

- 63 : 657 **Kersey, H. W.** Book-keeping, suitable for farmers, etc.
Lond.
·63 : 657 **Meats, T. W.** Agricultural accounts. Lond. 1912.
·63 : 657 **Orwin, C. S.** Farm accounts. Camb. 1914.
·63 : 657 **Peet, J. O., and Taylor, H.** Principles and practice of
book-keeping for the farm, etc. Reading 1905.
·63 : 657 **Roberts, I. P.** The Farmers' business handbook.
New York 1911.
·63 : 657 **Taylor, H., and Peet, J. O.** Principles and practice of
book-keeping for the farm, garden, dairy, and estate.
Huddersfield, 1920.
·63 : 657 **Thomson, A. W.** Principles and practice of book-
keeping and estate office-work. Lond. 1901.
·63 : 72 **Taylor, S.** Modern homesteads, a treatise on the de-
signing of farm buildings. Lond. 1905.

SYSTEMATIC AGRICULTURE.

·631 SOILS.

- 631 **Burkett, C. W.** Soils—their properties, improvement,
etc. New York 1907.
·631 **Fletcher, S. W.** Soils, how to handle and improve
them. Lond. 1907.
·631 **Fream, W.** Soils and their properties. Lond. 1890.
·631 **Hall, A. D.** The Soil. Lond. 1903.
·631 **Hilgard, E. W.** Soils. New York. 1906.
·631 **Hoskyns, C. W.** Talpa ; or, The chronicles of a clay
farm. Lond. 1903.
·631 **King, F. H.** The Soil. New York 1902.
·631 **Lyon, T. L.** Soils and fertilizers. New York 1918.

·63 AGRICULTURE

- 63I **Lyon, T. L., and Fippin, E. O.** Principles of soil management. New York 1909.
- 63I **Mosier, J. G., and Gustafson, A. F.** Soil physics and management. Philad. [1917].
- 63I **Roberts, I. P.** The Fertility of the land. New York 1911.
- 63I **Russell, E. J.** Lessons on soil. Camb. 1912.
- 63I **Scott, J., and Morton, J. C.** The Soil. Lond.
- 63I **Snyder, H.** Soils and fertilizers. New York 1912.
- 63I **Wahnschaffe, F.** Guide to the scientific examination of soils. Lond. 1892.
- 63I **Warington, R.** Lectures on some of the physical properties of soil. Oxf. 1900.
- 63I **Whiting, A. L.** Soil biology: laboratory manual. New York 1917.
- 63I(23) **France.** Restauration et conservation des terrains en montagne. 3 vols. Paris 1911.
- 63I **Burgess, P. S.** Soil bacteriology: laboratory manual. Easton, Pa. 1914.
: 5768
- 63I : 633 **Mosier, J. G.** Soils and crops. Chicago [1919].
- 63I122 **Livingston, B. E., and others.** Water-relation between plant and soil, etc. Wash. 1915.
- 63I3 **King, F. H.** Irrigation and drainage. New York 1903.
- 63I3 **Wilcox, L. M.** Irrigation farming. New York 1912.
- 63I4I **Klippart, J. H.** Land drainage. Cincinnati 1894.

·6316 FERTILIZERS.

- 6316 **Dyer, B., and Shrivell, F. W. E.** Manuring of market garden crops. Lond. [1910].
- 6316 **Hall, A. D.** Feeding of crops and stock. Lond. 1911.
- 6316 ——— Fertilizers and manures. Lond. 1909.
- 6316 **Heiden, E.** Lehrbuch der Düngerlehre. 2 vols. Hannover 1879-87.
- 6316 **Lambert, T.** Bone products and manures. Lond. 1913.
- 6316 **Lloyd, S. L.** Mining and manufacture of fertilizing materials. New York 1918.

·63 AGRICULTURE

- 6316 **Müntz, A., and Girard, A. C.** Les Engrais. 3 vols. Paris 1895-96.
- 6316 **Russell, E. J.** Manuring for higher crop production. Camb. 1916.
- 6316 **Schneidewind, W.** Die Stickstoffquellen und die Stickstoffdüngung. Berl. 1908.
- 6316 **Van Slyke, L. L.** Fertilizers and crops. New York 1912.
- 6316 **Voorhees, E. B.** Fertilizers. New York 1902.
- 6316 **Wolff, E.** Anleitung zur chemischen Untersuchung landwirtschaftlich wichtiger Stoffe. Berl. 1899.
- 6316 ——— Düngerlehre. Berl. 1897.
- 63161 **Ville, G.** Recherches expérimentales sur la végétation. Paris 1893.
- 63161 **Glasgow and West of Scotland technical college.**
(414) Agricultural department. Reports on manuring, etc. 1893, 1894, 1895. Glasg. 1894-96.
- 63167 **Brenchley, W. E.** Inorganic plant poisons and stimulants. Camb. 1914.
- 63167 **Ville, G.** Artificial manures. Lond. 1909.
- 6316724 **Schucht, L.** Die Fabrikation des Superphosphats. Braunsch. 1903.

·6317 FARM ENGINEERING.

- 6317 **Davidson, J. B., and Chase, L. W.** Farm machinery and farm motors. New York 1908.
- 6317 **Haines, A. H., and Daniel, A. F. H.** Surveying and building construction for agricultural students. Lond. 1915.
- 6317 **Hirshfeld, C. F., and Ulbricht, T. C.** Gas engines for the farm. New York 1914.
- 6317 **Scott, J.** Complete text-book of farm engineering. Lond. 1885.

·6319 METHODS OF CULTIVATION.

- 6319 **Macdonald, W.** Dry-farming. Lond. [1911].
- 6319 **Sadebeck, R.** Die Kulturgewächse der deutschen Kolonien und ihre Erzeugnisse. Jena 1899.

•63 AGRICULTURE

- | | | | |
|----------|-----------------------|-----------------------------|----------------|
| *6319 | Widtsoe, J. A. | Dry-farming. | New York 1912. |
| *63195 | Bailey, L. H. | The Nursery-book. | New York 1912. |
| *6319621 | — | The Pruning-book. | New York 1911. |
| *6319832 | Shaw, T. | Soiling crops and the silo. | New York 1912. |

-632 PESTS.

- 632 **Delacroix, G.** Maladies des plantes cultivées dans les
pays chauds. Paris 1911.
- 632 **Faes, H.** Les Maladies des plantes cultivées et leur
traitement. Paris [1909].
- 632 **Petherbridge, F. R.** Fungoid and insect pests of the
farm. Camb. 1916.
- 632 **Rampon, C.** Les Ennemis de l'agriculture. Paris 1898.
- 632 **Smith, W. G.** Diseases of field and garden crops,
chiefly such as are caused by fungi. Lond. 1884.
- 632(94) **McAlpine, D.** Fungus diseases of citrus trees in
Australia. Melbourne 1899.
- 632(94) — Fungus diseases of stone-fruit trees in Australia.
Melbourne 1902.
- 632(94) — The Rusts of Australia. Melbourne 1906.
- 632(94) — The Smuts of Australia. Melbourne [1910]
- 6325 **Brenchley, W. E.** Weeds of farm land. Lond. 1920.
- 6325 **Long, H. C., and Percival, J.** Common weeds of the
farm and garden. Lond. 1910.
- 6325 **Maier-Bode, F.** Die Bekämpfung der Acker-Unkräuter.
Stuttg. 1908.
- 6325 **Pammel, L. H.** Weeds of the farm and garden.
New York 1911.
- 6325 — Weed flora of Iowa. Des Moines 1913.
- (777)
- 6325 **Ewart, A. J., and Tovey, J. R.** Weeds, poison plants,
(945) and naturalized aliens of Victoria. Melbourne 1909.
- 6327 **Ormerod, E. A.** Manual of injurious insects, with
methods of prevention and remedy. Lond. 1890.
- 6327 **Weed, C. M.** Insects and insecticides.
New York 1903.

·63 AGRICULTURE

- 6327 **Ballou, H. A.** Insect pests of the Lesser Antilles.
(729) Bridgetown, Barbados 1912.
- 632942 **Lodeman, E. G.** The Spraying of plants.
New York 1910.
- 632951 **Bourcart, E.** Insecticides, fungicides, and weed killers.
Lond. 1913.

·633 CROPS.

- 633 **Fruwirth, C.** Die Züchtung der landwirtschaftlichen
Kulturpflanzen. 4 vols. Berl. 1904-07.
- 633 **Wollny, E.** Saat und Pflege der landwirtschaftlichen
Kulturpflanzen. Berl. 1885.

·6331 FOOD CROPS.

- 63311 **Buller, A. H. R.** Essays on wheat. New York, 1919.
- 63311 **Crookes, Sir W.** The Wheat problem. Lond. 1917.
- 63311 **Osborne, T. B.** Proteins of wheat kernel. Wash. 1907.
- 63314 **Denaiffe and Sirodot.** L'Avoine. Paris [1901].
- 633151 **Davy, J. Burt-**. Maize—its history, cultivation,
handling, and uses. Lond. 1914.

·6333 FODDER CROPS.

- 6333 **Clark, G. H., and Malte, M. O.** Fodder and pasture
plants. Ottawa 1913.
- 6333 **Dietrich, T., and König, J.** Zusammensetzung und
Verdaulichkeit der Futtermittel. 2 vols. Berl. 1891.
- 6333 **[Kellner, O.]** Die Futtermittel des Handels. Berl. 1906.
- 6333 **Shaw, T.** Forage crops. New York 1910.
- f. 6333 **Stebler, F. G., and Schröter, C.** Best forage plants
fully described and figured. Lond. 1889.
- 6333 **Voorhees, E. B.** Forage crops. New York 1911.
- 6333 **Wolff, E. von.** Farm foods. Lond. 1895.
- 6333 — Rationelle Fütterung der landwirtschaftlichen Nutz-
tiere. Berl. 1899.
- 6333 **Faber, H.** Forage crops in Denmark. Lond. 1920.
(489)

63 AGRICULTURE

- 63331 **Sutton, M. J.** Permanent and temporary pastures.
Lond. 1891.
- 6333141 **Hitchcock, A. S.** Text-book of grasses.
New York 1914.
- 6333141 **Ward, H. M.** Grasses. Camb. 1901.
- 6333141 **Gordon, W. J.** Manual of British grasses.
(42) Lond. [1907].
- 6333141 **Vasey, G.** Illustrations of North American grasses.
(7) 2 vols. Wash. 1891-93.

6334 INDUSTRIAL CROPS.

- 63340821 **IMPERIAL INSTITUTE HANDBOOKS.** Lond. 1911.→
IMP.
1. **Dudgeon, G. C.** Agricultural and forest products of British West Africa. 1911.
 2. **Johnson, W. H.** Cocoa, its cultivation and preparation. 1912.
 3. **Goulding, E.** Cotton and other vegetable fibres. 1917.
 4. **Brown, H.** Rubber—its sources, cultivation, and preparation. 1918.
- 6334 **Morris, D.** Economic resources of West Indies.
(729) Lond. 1898.
- 6334113 **Balls, W. L.** The Cotton plant in Egypt. Lond. 1912.
- 6334113 **Bowman, F. H.** Structure of the cotton fibre.
Lond. 1908.
- 6334113 **International federation of master cotton spinners' and manufacturers' association.** Official report of visit to Egypt, etc. Also Cotton growing in Egypt. [Manch. 1913].
- 633433 **Claassen, H.** Beet-sugar manufacture.
New York 1906.
- 633433 **Scott, J. W. Robertson-.** Sugar beet. Lond. 1911.
- 633473 **Lloyd, F. E.** Guayule, a rubber-plant of the Chihuahuan desert. Wash. 1911.
- 633473 **Lock, R. H.** Rubber and rubber planting. Camb. 1913.
- 633473 **Seeligmann, T., and others.** Indiarubber and gutta percha. Lond. 1910.

·63 AGRICULTURE

- 633473 **Weber, C. O.** Chemistry of india rubber. Lond. 1909.
 ·633473 **Wright, H.** Rubber cultivation in the British Empire.
 Lond. 1907.
 ·633473 **Petch, T.** Physiology and diseases of *Hevea brasiliensis*.
 : 5812 Lond. 1911.

·634 FORESTRY.

- 634 **Beauverie, J.** Le Bois. 2 vols. Paris 1905.
 ·634 **Boulger, G. S.** Wood, a manual of the natural history and industrial applications of the timbers of commerce.
 Lond. 1902.
 ·634 **Boyd, J.** Afforestation. Lond. 1918.
 ·634 **Charpentier, P.** Timber, a study of wood in all its aspects.
 Lond. 1902.
 ·634 **Cheney, E. G., and Wentling, J. P.** The Farm woodlot.
 New York 1914.
 ·634 **Curtis, C. E.** Practical forestry. Lond. 1908.
 ·634 **Evelyn, J.** Sylva; or, A discourse of forest trees.
 2 vols. Lond. [1908].
 ·634 **Graves, H. S.** Forest mensuration. New York 1914.
 ·634 **Grigor, J.** Arboriculture. Edin. 1868.
 ·634 **Maw, P. T.** The Practice of forestry. Lond. 1912.
 ·634 **Mayr, H.** Waldbau auf naturgesetzlicher Grundlage.
 Berl. 1909.
 ·634 **Moon, F. F., and Brown, N. C.** Elements of forestry.
 New York 1915.
 ·634 **Nanquette, H.** Cours de technologie forestière.
 Paris 1887.
 ·634 **Nisbet, J.** The Forester. 2 vols. Edin. 1905.
 ·634 ——— Studies in forestry. Oxf. 1894.
 ·634 **Pinchot, G.** Primer of forestry. 2 pts.
 Wash. 1899-1915.
 ·634 **Rattray, J., and Mill, H. R.** Forestry and forest products. Ed. J. R. and H. R. M. Edin. 1885.
 ·634 **Schlich, W.** Manual of forestry. 5 vols.
 Lond. 1889-96.

- 634 **Toumey, J. W.** Seeding and planting. New York 1916.
- 63405 **Forstwissenschaftliches Centralblatt.** Vol. 30→
F.C. Berl. 1908→
- 63406 **Forestry Commission.** British empire forestry conference, London, 1920. Proceedings, etc. Lond. 1921.
F.C.
- 63406 **Scottish arboricultural society, Royal.** Trans. Vol. 6→
S.A. Edin. 1872→
- 016:634 **Rehder, A.** The Bradley bibliography: a guide to the literature of the woody plants of the world. 5 vols. Camb. [Mass.] 1911-18.
B.B.

·634(·) REGIONAL FORESTRY.

- 634(213) **Brown, A. F.** Sylviculture in the tropics. Lond. 1912.
- 634 **Dickie, G.** Forest and other trees of Aberdeenshire.
(4125)
- 634(42) **Bean, W. J.** Trees and shrubs hardy in the British Isles. 2 vols. Lond. 1914.
- 634(42) **Brown, J. C.** Forests of England and the management of them in bygone times. Edin. 1883.
- f.·634(42) **Elwes, H. J., and Henry, A.** Trees of Great Britain and Ireland. 7 vols. Edin. 1906-13.
- 634(42) **Forbes, A. C.** British forestry. Lond. 1910.
- 634(42) — English estate forestry. Lond. 1906.
- 634(42) **Stebbing, E. P.** British forestry. Lond. 1916.
- 634(42) **Webster, A. D.** National afforestation. Lond. [1919].
- 634(43) **Brown, J. C.** Forestry in Germany. Edin. 1887.
- 634(44) — French forest ordinance of 1669. Edin. 1883.
- 634(44) — Pine plantations on the sand wastes of France. Edin. 1878.
- 634(44) — Reboisement in France. Lond. 1876.
- f.·634(44) **Daubrée, L.** Statistique et atlas des forêts de France. 2 vols. Paris, 1912.
- 634(46) **Brown, J. C.** School of forest engineers in Spain. Edin. 1886.

·63 AGRICULTURE

- 634(47) **Brown, J. C.** Forests and forestry of northern Russia.
Edin. 1884.
- 634(47I) ——— Finland, its forests and forest management.
Edin. 1883.
- 634(475) ——— Forests and forestry in Poland, Lithuania, etc.
Edin. 1885.
- 634(476) ——— Forestry in the mining districts of the Ural Mountains in Eastern Russia.
Edin. 1884.
- 634(54) **Brandis, Sir D.** Indian trees. Lond. 1906.
- 634(54) **Troup, R. S.** Indian forest utilization. Calcutta 1907.
- 634(54) **Hole, R. S.** Manual of botany for Indian forest students. Calcutta 1909.
: 58
- 634(54) **Stebbing, E. P.** Manual of elementary forest zoology for India. Calcutta 1908.
: 5916
- 634(54) ——— Indian forest insects of economic importance. Coleoptera. Lond. 1914.
: 59576
- 634(678) **Sim, T. R.** Forest flora and forest resources of Portuguese East Africa. Abd. 1909.
- f.·634 ——— Forests and forest flora of the Colony of the Cape
(687) of Good Hope. Abd. 1907.
- 634(7) **Bruncken, E.** North American forests and forestry.
New York 1900.
- 634(7I) **Canada—Commission of conservation.** Forest production in Canada, 1912. Toronto 1913.
- 634(7II) **Whitford, H. N., and Craig, R. D.** Forests of British Columbia. Ottawa 1918.
- 634(73) **Mathews, F. S.** Field book of American trees and shrubs. New York [1915].
- 634(73) **United States—Department of commerce—Bureau of corporations.** The Lumber industry. Pt. 1→ Wash. 1913→
- f.·634(94) **Baker, R. T.** The Hardwoods of Australia and their economics. Sydney 1919.
- 634 **Bruncken, E.** Forests and moisture. Edin. 1877.
: 55157

·63 AGRICULTURE

- 634 **Webster, A. D.** Tree wounds and diseases. Lond. 1916.
: 5812
- 634 **Pennsylvania Chestnut tree blight commission.**
: 58123 Publications, 1911-1913. Harrisburg 1915.
- 634 **Hiley, W. E.** The Fungal diseases of the common
: 58124 larch. Oxf. 1919.
- 634 **Hickel, R.** Graines et plantules. 2 pts. Versailles 1911-14.
: 5813
- 634 **Rafn, J.** The Testing of forest seeds during 25 years.
: 5813 1887-1912. [Köbenhavn 1915.]
- 634 **Rogers, C. Coltman-.** Conifers and their character-
: 5852 istics. Lond. 1920.
- 634 **Gillanders, A. T.** Forest entomology. Edin. 1908.
: 5957

·6341 FRUIT TREES.

- 6341 **Bailey, L. H.** Principles of fruit-growing. New York 1912.
- 6341(73) — Sketch of the evolution of our native fruits. New York 1898.
- 634112 **Beach, S. A.** Apples of New York. 2 vols. Albany 1905.
(747)
- f.·6341161 **Hedrick, U. P.** Peaches of New York. Albany 1917.
(747)
- f.·6341171 — Plums of New York. Albany 1911.
(747)
- f.·6341172 — Cherries of New York. Albany 1915.
(747)
- 63414 **Card, F. W.** Bush-fruits. New York 1909.
- f.·6346 **Hedrick, U. P.** Grapes of New York. Albany 1908.
(747)

·635 HORTICULTURE.

- 635 **Bailey, L. H.** Garden-making. New York 1911.
- 635 **Reid, J.** The Scots gard'ner. Ed. A. H. Hyatt. Lond. 1907.

·63 AGRICULTURE

- Ref. ·63503 **Bailey, L. H.** The Standard cyclopedia of horticulture.
6 vols. New York 1914-17.
- 63505 G.C. **Gardener's chronicle.** 1841-73; ser. II., 26 vols.,
1874-86; ser. III., 1887→ Lond. 1841→
- 63506 **Horticultural society, Royal.**
H.J. Horticultural society of London. Journal. Vols. 1-9.
Lond. 1846-55.
—— Trans. 7 vols; Ser. II. 3 vols. Lond. 1835-48.
Horticultural society, Royal. Journal. Vol. 6→
Lond. 1880→
- 6351 **Bailey, L. H.** The Forcing-book. New York 1911.
- 6351 ——— Principles of vegetable-gardening. New York 1912.
- 6351 **Bardswell, F. A.** The Herb-garden. Lond. 1911.
- 6351 **Weathers, J.** Commercial gardening. 4 vols.
Lond. 1913.
- 6351 **Wright, J., and H. J.** Vegetable grower's guide. 4 divs.
Lond.

·636 DOMESTIC ANIMALS.

- B.M. ·636 **British Museum.** Guide to the domesticated animals—
other than horses. [By R. Lydekker.] Lond. 1912.
- 636 **Brown, G. T.** Animal life. Lond.
- 636 **Carrington, W. T., and others.** Live-stock. Lond.
- 636 **Plumb, C. S.** Types and breeds of farm animals.
Boston [Mass. 1906].
- 636 **Wilcox, E. V.** Farm animals. Lond. 1907.
- 636 **Wilson, J.** Breeding and feeding of farm stock.
Lond. [1921].
- 63602 **Cornevin, C.** Traité de zootechnie générale.
Paris 1891.
- 63602 **Davenport, E.** Principles of breeding.
Boston [Mass. 1907].
- 63602 **Sanson, A.** Traité de zootechnie. 5 vols.
Paris 1893-1901.
- 63602 **Wilson, J.** Principles of stock-breeding. Lond. 1912.

·63 AGRICULTURE

- 636043 **Henry, W. A., and Morrison, F. B.** Feeds and feeding.
Madison, Wis. 1917.
- 636043 **Jordan, W. H.** Feeding of animals. New York 1901.
- 636043 **Kellner, O.** Scientific feeding of animals. Lond. 1909.
- 636043 **Shaw, T.** Feeding farm animals. New York 1907.
- 6360821 **Monographien landwirtschaftlichen Nutztiere.**
Vol. 1→ Leip. 1904→
- 636084 **Nathusius, S. von.** Atlas der Rassen und Formen
unserer Haustiere. 4 ser. Stuttg. 1904.
- 636(42) **Wallace, R.** Farm live stock of Great Britain.
Lond. 1893.
- 636 **Shaw, T.** Animal breeding. New York 1903.
: 59156
- 636:612 **Wood, T. B., and Marshall, F. H. A.** Physiology of
farm animals. Pt. 1→ Camb. 1920→

·6361 HORSES.

- 6361 **Biddell, H., and others.** Heavy horses—breeds and
management. Lond. 1894.
- 6361 **Blew, W. C. A., and others.** Light horses—breeds and
management. Lond. 1894.
- 6361 **Boucaut, Sir J. P.** The Arab the horse of the future.
Lond. 1905.
- B.M.·6361 **British Museum.** Guide to the specimens of the horse
family. [By R. Lydekker.] Lond. 1907.
- 6361 **Douglas, C., and A.** The Shetland pony. Edin. 1913.
- f.·6361 **Fothergill, G. A.** A Gift to the State: the National
stud. 1916.
- 6361 **Galvayne, S.** The XXth century book on the horse.
Lond. 1907.
- 6361 **Gilbey, Sir W.** The Great horse, or the war horse, from
the Roman invasion till its development into the
shire horse. Lond. 1899.
- 6361 **Goubaux, A., and Barrier, G.** Exterior of the horse.
Philad. 1892.
- 6361 **M'Fadyean, Sir J.** Anatomy of the horse. Edin. 1902.

·63 AGRICULTURE

- 6361 **Ridgeway, W.** Origin and influence of the thoroughbred horse. Camb. 1905.
- 636105 **Clydesdale stud-book.** Vol. 1→ Glasg. 1884→
C.S.

·6362 CATTLE.

- 6362 **Bruce, R.** Fifty years among shorthorns. Lond. 1907.
- 6362 **Cameron, J.** Shorthorns in central and southern Scotland. Edin. 1921.
- 6362 **McCombie, W.** Cattle and cattle-breeders. Edin. 1886.
- 6362 **Macdonald, J., and Sinclair, J.** History of Hereford cattle. Lond. 1909.
- 6362 — History of polled Aberdeen or Angus cattle. Edin. 1882.
- 6362 **Mackenzie, K. J. J.** Cattle and the future of beef-production in England. Camb. 1919.
- 6362 **Pulling, A.** Aberdeen-Angus cattle. Lond. 1908.
- 6362 **Sinclair, J.** History of shorthorn cattle. Ed. J. S. Lond. 1907.
- 6362 **Storer, J.** Wild white cattle of Great Britain. Lond.
- 6362 **Wallace, F. L.** Private catalogue of pure-bred shorthorn cattle. Abd. 1920.
- 6362 **Wilson, J.** Evolution of British cattle. Lond. 1909.
- 636205 **Highland herd book.** [Vol. 1]→ Inverness 1885→
H.H.
- 636205 **Polled herd book.** Vol. 1→ Banff 1884→
P.H.

·6363 SHEEP.

- 6363 **Bonwick, J.** Romance of the wool trade. Lond. 1894.
- 6363 **Ormerod, F.** Wool. Lond. 1918.
- 6363 **Wrightson, J.** Sheep. Lond. 1895.

·6365 POULTRY.

- 6365 **Watson, G. C.** Farm poultry. New York 1912.

·63 AGRICULTURE

·637 DAIRY.

- 637 **Armstrong college—Newcastle-upon-Tyne.** Reports on dairy investigations. Lond. 1909.
- 637 **Duclaux, E.** Principes de laiterie. Paris
- 637 **Fleischmann, W.** Book of the dairy. Lond. 1896.
- 637 **Grimmer, W.** Chemie und Physiologie der Milch. Berl. 1910.
- 637 **Grotenfelt, G.** Principles of modern dairy practice from a bacteriological point of view. New York 1894.
- 637 **Long, J., and Morton, J. C.** The Dairy. Lond. 1895.
- 637 **Richmond, H. D.** Dairy chemistry. Lond. 1914.
- 637 **Snyder, H.** Dairy chemistry. New York 1911.
- 637 **Wing, H. H.** Milk and its products. New York 1903.
- 637 **Freudenreich, E. von.** Dairy bacteriology. Lond. 1895.
: 5768
- 637 **Russell, H. L.** Outlines of dairy bacteriology. Madison, Wis. 1902.
: 5768
- 637 **Sadler, W.** Bacteria as friends and foes of the dairy farmer. Lond. [1912].
: 5768
- 637¹ **Thomson, G. S.** Milk and cream testing, and grading dairy products. Lond. 1911.
- 637¹ **Tisdale, C. W. Walker-.** Milk testing. Northallerton 1909.
- 637² **Tisdale, C. W. Walker-, and Robinson, T. R.** Butter-making on the farm and at the creamery. Lond. 1907.
- 637² **Ryn, J. J. L.** On the composition of Dutch butter. Lond. 1902.
(492)
- 637³ **Van Slyke, L. L., and Publow, C. A.** Science and practice of cheese-making. New York 1909.

·638 USEFUL INSECTS.

- 638¹ **Cowan, T. W.** British bee-keeper's guide book. Lond. [1911].

·639 FISH AND GAME.

- 639¹ **Mackie, P. J., and Walker, A. S.** The Keeper's book : a guide to the duties of a gamekeeper. Edin. 1909.

•63 AGRICULTURE

- 6392 **Zuiderzee-Vereeniging.** Verzameling van rapporten.
(492) Leiden 1905.
- *6392(73) **Goode, G. B.** Fisheries and fishing industries of the
United States. Section I., Text and plates.
Wash. 1884.
- *639222 **Samuel, A. M.** The Herring—its effect on the history
of Britain. Lond. 1918.
- *6394 **Herdman, W. A.** Report to the government on the
(267) pearl oyster fisheries of the Gulf of Manaar. 5 vols.
Lond. 1903-06.
- *6394(71) **Stafford, J.** The Canadian oyster. Ottawa 1913.

·66 CHEMICAL TECHNOLOGY.

- 6602 **Allen, A. H.** Commercial organic analysis. 9 vols.
Lond. 1910-17.
- 6602 **Askenasy, P.** Einführung in die technische Elektro-
chemie. Hrsg. P. A. Vol. 1→ Braunsch. 1910→
- 6602 **Blount, B., and Bloxam, A. G.** Chemistry for en-
gineers and manufacturers. 2 vols. Lond. 1900.
- 6602 **Dammer, O.** Chemische Technologie der Neuzeit.
Hrsg. O. D. 3 vols. Stuttg. 1910-11.
- 6602 — Handbuch der chemischen Technologie. 5 vols.
Stuttg. 1895-98.
- Ref.*·6602 **Groves, C. E., and Thorp, W.** Chemical technology.
3 vols. Lond. 1889-1900.
- 6602 **Martin, G.** Industrial and manufacturing chemistry.
2 pts. Lond. 1917-18.
- 6602 **Ost, H.** Lehrbuch der technischen Chemie.
Hannover 1898.
- 6602 **Thorp, F. H.** Outlines of industrial chemistry.
New York 1899.
- 6603 **Blücher, H.** Modern industrial chemistry. Lond. 1911.
- 6603 **Brannt, W. T., and Wahl, W. H.** Techno-chemical
receipt book. Ed. W. T. B. and W. H. W.
Philad. 1902.
- 6603 **Hopkins, A. A.** Scientific American cyclopedia of
receipts, notes, and queries. New York 1903.
- 6603 **Spon, E., and others.** Workshop receipts. 5 series.
Lond. 1895-97.
- Ref.*·6603 **Thorpe, Sir T. E.** Dictionary of applied chemistry. 3
vols. Lond. 1890-93.

- Ref.·6603 **Thorpe, Sir T. E.** Dictionary of applied chemistry. 5 vols. Lond. 1912-13.
- 6604 **Kremann, R.** Application of physico-chemical theory to technical processes. Lond. 1913.
- 6604 **Lunge, G.** Technical chemists' handbook. Lond. 1910.
- 6604 **Slosson, E. E.** Creative chemistry. Lond. 1921.
- 6605 C.J. **Chemical trade journal.** Vol. 28→ Manch. 1901→
- 6605 F.T. **Fortschritte der Teerfarbenfabrikation.** 1→ Berl. 1888→
- 6605 J.I. **Journal of industrial and engineering chemistry.** Vol. 6→ Easton, Pa. 1914→
- 6606 M.S. **Manchester municipal college of technology.**
Municipal school of technology, Manchester.
Journal. Vols. 1-8. Manch. 1909-16.
Manchester municipal college of technology. Technology. Vol. 9→ Manch. 1918→
- 6606 J.S. **Society of chemical industry.** Journal. Vol. 1, 3→ Manch., Lond. 1882→
- 6607 **Cuniasse, L., and Zwillig, R.** Modes opératoires des essais du commerce et de l'industrie. Paris 1900.
- 660821 **MONOGRAPHS ON INDUSTRIAL CHEMISTRY.** Lond. 1918→
MON.
 1. **Bone, W. A.** Coal and its scientific uses. 1918.
 2. **Hale, A. J.** Applications of electrolysis in chemical industry. 1918.
 3. **Mitchell, C. A.** Edible oils and fats. 1918.
 4. **Morgan, G. T.** Organic compounds of arsenic and antimony. 1918.
 5. **Smith, E. A.** The Zinc industry. 1918.
 6. **Watson, E. R.** Colour in relation to chemical constitution. 1918.
 7. **Henderson, G. G.** Catalysis in industrial chemistry. 1919.
 8. **Perkin A. G., and Everest, A. E.** Natural organic colouring matters. 1918.
 9. **Clayton, W.** Margarine. 1920.
 10. **Heriot, T. H. P.** The Manufacture of sugar from the cane and beet. 1920.
 11. **Whitby, G. S.** Plantation rubber and the testing of rubber. 1920.

·66 CHEMICAL TECHNOLOGY

- 66(43) **Witt, O. N.** Die Chemische Industrie des deutschen Reiches. Berl. 1902.
- 66 : 543 **Lunge, G.** Technical methods of chemical analysis. Ed. G. L. 3 vols. Lond. 1908-14.
- 66 : 543 ——— Techno-chemical analysis. New York 1905.

·661 CHEMICALS.

- 66125 **Lunge, G.** Manufacture of sulphuric acid and alkali. Vol. 1, 3 pts. Lond. 1913.
- 6617 **Sadtler, S. P.** Handbook of industrial organic chemistry. Philad. 1900.
- 661722 **Herrick, R. F.** Denatured or industrial alcohol. New York 1907.
- 661722 **Wright, F. B.** Practical handbook on distillation of alcohol from farm products. New York 1907.

·662 PYROTECHNICS, ETC.

- 6622 **Marshall, A.** Explosives. 2 vols. Lond. 1917.
- 6622 **Ramsey, A. R. J., and Weston, H. C.** A Manual on explosives. Lond. 1916.
- 6626 **Brame, J. S. S.** Fuel—solid, liquid, and gaseous. Lond. 1914.
- 662641 **Björling, P. R., and Gissing, F. T.** Peat, its use and manufacture. Lond. 1907.
- 662641 **Gissing, F. T.** Peat industry reference book. Lond. 1920.

·663 FERMENTS, BEVERAGES, ETC.

- 6631 **Matthews, C. G.** Manual of alcoholic fermentation. Lond. [1901].
- 6631 **Lafar, F.** Technical mycology. Vol. 1→
: 5892 Lond. 1898→
- 6631 **Green, J. R.** Soluble ferments and fermentation. Camb. 1899.
: 5899
- 6631 **Hansen, E. C.** Practical studies in fermentation. Lond. 1896.
: 5899

·66 CHEMICAL TECHNOLOGY

- 6631 **Jørgensen, A.** Die Mikroorganismen der Gärungs-
: 61601 industrie. Berl. 1898.
- 66311 **Effront, J.** Enzymes and their applications. Vol. 1→
New York 1902→
- 6634 **Moritz, E. R., and Morris, G. H.** Text-book of the
science of brewing. Lond. 1891.
- 6634 **Sykes, W. J.** Principles and practice of brewing.
Lond. 1902.
- 6634 **Wright, H. E.** Handy book for brewers. Lond. 1907.
- 6635 **Nettleton, J. A.** Manufacture of spirit. Lond. 1893.
- 66391 **Cadbury, R.** Cocoa—all about it. Lond. 1896.

·664 FOODS.

- 664 **Simmons, W. H., and Mitchell, C. A.** Edible fats and
oils. Lond. 1911.
- 6646 **Jago, W.** Text-book of the science and art of bread-
making. Lond. 1895.

·665 OILS, FATS, ETC.

- 665 **Greenwood, H. C.** Industrial gases. Lond. 1920.
- 665 **Hurst, G. H.** Lubricating oils, fats, and greases.
Lond. 1896.
- 665 **Laucks, I. F.** Commercial oils. New York 1919.
- 665 **Lewkowitsch, J.** Chemical technology and analysis of
oils, fats, and waxes. 3 vols. Lond. 1909.
- 665 **White, A. H.** Technical gas and fuel analysis.
New York 1913.
- 665 **Ellis, C.** The Hydrogenation of oils. Lond. 1920.
- : 54112
- 66531 **Andés, L. E.** Vegetable fats and oils. Lond. 1917.
- 66531 **Chalmers, T. W.** Production and treatment of veget-
able oils. Lond. 1918.
- 6657 **Abady, J.** Gas analyst's manual. (Incorporating
F. W. Hartley's "Gas analyst's manual" and "Gas
measurement".) Lond. 1902.

·66 CHEMICAL TECHNOLOGY

- 6657 **Butterfield, W. J. A.** Chemistry of gas manufacture.
Lond. 1896.

·666 CERAMICS, GLASS, ETC.

- 666 **Bronn, J.** Der Elektrische Ofen im Dienste der keramischen Gewerbe, etc. Halle a. S. 1910.
- 6661 **Rosenhain, W.** Glass manufacture. Lond. 1919.
- 666232 **Boyer, J.** La Synthèse des pierres précieuses.
Paris 1909.

·667 DYEING, ETC.

- 6672 **Benedikt, R.** Chemistry of the coal-tar colours.
Lond. 1886.
- 6672 **Cain, J. C., and Thorpe, J. F.** Synthetic dyestuffs and the intermediate products from which they are derived.
Lond. 1905.
- 6672 **Crookes, W.** Dyeing and tissue-printing. Lond. 1882.
- 6672 **Hummel, J. J.** Dyeing of textile fabrics. Lond. 1896.
- 6672 **Nietzki, R.** Chemistry of the organic dye-stuffs.
Lond. 1892.
- 6672 **Reissert, A.** Geschichte und Systematik der Indigo-Synthesen. Berl. 1898.
- 6672 **Schultz, G., and Julius, P.** Systematic survey of the organic colouring matters. Revised by A. G. Green.
Lond. 1904.
- 6672 **Wood, J. K.** Chemistry of dyeing. Lond. 1913.
- 6676 **Church, A. H.** Chemistry of paints and painting.
Lond. 1901.
- 6676 **Smith, J. C.** Manufacture of paint. Lond. 1915.

·668 MISCELLANEOUS INDUSTRIES.

- 6681 **Moride, E.** Traité pratique de savonnerie. Paris 1888.
- 66831 **Lambert T.** Glue, gelatine, and their allied products.
Lond. 1905.
- 66831 **Rideal, S.** Glue and glue testing. Lond. 1914.
- 6687 **Lunge, G.** Coal-tar and ammonia. 2 vols.
Lond. 1909.

·66 CHEMICAL TECHNOLOGY

- 6687 **Lunge, G.** Treatise on the distillation of coal-tar and ammoniacal liquor. Lond. 1882.
·66873 **Findlay, A.** The Treasures of coal tar. Lond. 1917.

·669 METALLURGY.

- 66902 **Austen, Sir W. C. R.** Introduction to the study of metallurgy. Lond. 1902.
·66902 **Hiorns, A. H.** Text-book of elementary metallurgy. Lond. 1888.
·66902 **Schnabel, C.** Handbook of metallurgy. 2 vols. Lond. 1905-07.
·66902 **Sexton, A. H.** Elementary text-book of metallurgy. Lond. 1907.
·66904 **Buchanan, J. F.** Practical alloying. Cleveland, O. [1910].
·6691 **Friend, J. N.** Corrosion of iron and steel. Lond. 1911.
·6691 **Steel research committee.** Report. Sheffield 1920.
·66914 **Carnegie, D., and Gladwyn, S. C.** Liquid steel. Lond. 1918.
·6698 **Borchers, W.** Electric smelting and refining. Lond. 1904.

·6699 ASSAYING.

- 6699 **Aaron, C. H.** Assaying. 2 vols. San Francisco 1900.
·6699 **Hiorns, A. H.** Practical metallurgy and assaying. Lond. 1888.
·6699 **Lord, N. W., and Demorest, D. J.** Metallurgical analysis. New York 1913.

SUBJECT INDEX.

Acetylene - - -	•54723	Animal morphology - -	•5914
Acoustics - - -	•534	Animal movement - -	•59117
Action, external - -	•5513	Animal nervous system -	•59118
Action, internal - -	•5512	Animal organs of move-	
Affinity, chemical - -	•5413	ment - - - -	•59147
Agricultural bacteriology	•63 : 5768	Animal osteology - -	•591471
Agricultural book-keeping	•63 : 657	Animal parasites - -	•59169
Agricultural botany -	•63 : 58	Animal parthenogenesis	•591162
Agricultural chemistry -	•63 : 54	Animal pathology - -	•5912
Agricultural economics -	•63 : 33	Animal physiology - -	•5911
Agricultural geology -	•63 : 55	Animal poisons - -	•591145
Agricultural physics -	•63 : 53	Animal regeneration -	•591169
Agricultural tenancies -	•63 : 34	Animal teratology - -	•591159
Agricultural zoology -	•63 : 59	Animal variation - -	•59115
Agriculture - - -	•63	Animals, domestic - -	•636
Agriculture, regional -	•63(.)	Animals, noxious - -	•59165
Air, analysis - - -	•5437	Anthropology, ethnologic	•572
Alchemy - - - -	•5409	Anthropology, prehistoric	•571
Alcohol, denatured -	•661722	Anthropometry - - -	•5736
Alcohols - - - -	•6635	Ants - - - - -	•59579
Alcyonarinans - - -	•59362	Apes - - - - -	•5998
Aldehydes - - - -	•5475	Aphids - - - - -	•595772
Algae - - - - -	•5893	Apple-trees - - - -	•634112
Algebra - - - - -	•512	Applied chemistry - -	•66
Allotropism - - - -	•5417	Arachnida - - - - -	•5954
Ammonia - - - - -	•54744	Arachnida, fossil - -	•5654
Amphibia - - - - -	•5976	Arithmetic - - - - -	•511
Amphibia, fossil - -	•5676	Arthropoda - - - - -	•5952
Analysis, air - - - -	•5437	Articulata - - - - -	•595
Analysis, chemical -	•543	Artificial stones - -	•666232
Analysis, electrolytic -	•5453	Assaying - - - - -	•6699
Analysis, infinitesimal	•517	Astron. observations -	•5221
Analysis, qualitative -	•544	Astronomy - - - - -	•52
Analysis, quantitative -	•545	Atmosphere - - - - -	•5515
Analysis, spectrum - -	•5446	Atomies - - - - -	•5412
Analysis, volumetric -	•5455		
Analytical geometry -	•516	Bacteriological technic. -	•57681
Animal coloration - -	•591157	Bacteriology, agricultural	•63 : 5768
Animal economics - -	•5916	Bacteriology, biological -	•5768
Animal embryology - -	•5913	Baking - - - - -	•6646
Animal generation - -	•59116	Basidiomycetes - - -	•58922
Animal habits and beha-		Batrachians - - - - -	•5976
viour - - - - -	•5915	Bats - - - - -	•5994
Animal heart - - - -	•591412	Bee-keeping - - - - -	•6381
Animal histology - -	•5918	Beer - - - - -	•6634
Animal instinct - - -	•59151	Bees - - - - -	•59579
Animal kingdom - - -	•59	Bees, useful insects -	•6381

SUBJECT INDEX

Beetles - - - -	•59576	Chemistry, physical - -	•541
Beet-sugar - - -	•638433	Chemistry, plant - -	•58119
Beverages - - -	•663	Chemistry, practical -	•542
Biochemistry, plant -	•58119	Chemistry, stereo- -	•5416
Biological botany - -	•581	Chemistry, thermo- -	•54111
Biological zoology - -	•591	Cherry trees - - -	•6341172
Biology - - - -	•57	Chlorophyll - - -	•5811941
Birds - - - -	•5982	Chronology - - -	•529
Birds, fossil - - -	•5682	Cirripedia - - -	•59535
Birds of prey - - -	•5989	Classification of animals	•5901
Book-keeping, agricultural	•63 : 657	Classification of plants -	•5801
Botany - - - -	•58	Clays - - - -	•55361
Botany, agricultural -	•63 : 58	Climate - - - -	•55156
Botany, biological - -	•581	Cnidaria - - - -	•5935
Botany, geographical -	•5819	Coal - - - -	•5532
Brachiopoda - - -	•5948	Coal-tar - - - -	•66873
Brachiopoda, fossil -	•5648	Cocoa - - - -	•66391
Brewing - - - -	•6634	Coelenterata - - -	•5933
Bryophytes - - -	•588	Coleoptera - - -	•59576
Bryozoa - - - -	•5947	Collecting - - -	•579
Bryozoa, fossil - -	•5647	Colloid chemistry - -	•54114
Building stones - -	•5535	Coloration, animal -	•591157
Butter - - - -	•6372	Colouring matter, plant	•531195
Butterflies - - -	•59578	Commercial gardening -	•6351
Calculus, infinitesimal -	•517	Complex variables - -	•5178
Calculus of finite differences	•5176	Conchology - - -	•594
Calculus of functions -	•5175	Conics, geometrical -	•51322
Calculus of variations -	•5174	Conifers - - - -	•5852
Carbon compounds - -	•547	Co-ordinate geometry -	•516
Carnivora - - - -	•59974	Copepoda - - - -	•59534
Casein - - - -	•547786	Coral reefs - - -	•55196
Catalysis - - - -	•54112	Corals - - - -	•5936
Cats - - - -	•59975	Corals, fossil - -	•5636
Cattle - - - -	•6362	Cotton - - - -	•6334113
Cattle, diseases - -	•6192	Cow, treatment - -	•61921
Cattle, treatment - -	•6192	Craniology - - -	•5737
Caves - - - -	•55144	Crocodiles - - -	•59813
Cells - - - -	•5763	Crops - - - -	•633
Cellulose - - - -	•5811933	Crops, fodder - -	•6333
Ceramics - - - -	•666	Crops, food - - -	•6331
Cetacea - - - -	•5995	Crops, industrial -	•6334
Cetacea, fossil - -	•5695	Crustacea - - -	•5953
Cheese - - - -	•6373	Crustacea, fossil - -	•5653
Chemical affinity - -	•5413	Cryptogams - - -	•586
Chemical analysis - -	•543	Crystallography - -	•548
Chemical manures - -	•63167	Ctenophora - - -	•5938
Chemical tables - -	•5419	Cultivation, methods -	•6319
Chemical technology -	•66	Currents, ocean - -	•55147
Chemicals - - - -	•661	Cyanogen - - - -	•5471
Chemistry - - - -	•54	Cycads - - - -	•5859
Chemistry, agricultural	•63 : 54	Cytology - - - -	•5763
Chemistry, applied - -	•66	Dairy - - - -	•637
Chemistry, colloid - -	•54114	Darwinism - - -	•575, •5754
Chemistry, electro- -	•54113	Death - - - -	•5777
Chemistry, inorganic -	•546	Degeneration - - -	•5757
Chemistry, mechanical -	•54112	Denatured alcohol -	•661722
Chemistry, organic - -	•547	Deposition - - -	•55135
		Descent, theory of - -	•575

SUBJECT INDEX

Descriptive geometry	-	515
Determinants	-	51283
Development, plant	-	58114
Dicotyledons	-	583
Differential calculus	-	5172
Differential equations	-	51738
Diptera	-	59577
Diseases, plant	-	58121
Diseases of cattle	-	6192
Diseases of horse	-	6191
Diseases of pig	-	6194
Diseases of sheep	-	61931
Distillation	-	6687
Distilling	-	6635
Dogs	-	59975
Domestic animals	-	636
Domestic fowls	-	6365
Domestic mammals	-	59975
Drainage	-	63141
Drugs, analysis	-	5431
Dry-farming	-	6319
Dyeing	-	6672
Dynamics	-	531, 5313
Dynamics, chemical	-	54112
Earth	-	525
Earth, face of	-	5514
Earth, structure of	-	5511
Earth, theory of the	-	5501
Earthquakes	-	55122
Echinodermata	-	5939
Echinodermata, fossil	-	5639
Ecology	-	5815
Economic geology	-	553
Economics, agricultural	-	63 : 33
Economics, animal	-	5916
Economics, plant	-	5816
Elasticity	-	5393
Electrical engineering	-	6213
Electricity	-	537
Electro-chemistry	-	54113
Electro-magnetism	-	5383
Electrolytic analysis	-	5453
Elements, metallic	-	5463
Elements, non-metallic	-	5461
Elephants	-	59961
Elliptic functions	-	51736
Embryology, animal	-	5913
Embryology, plant	-	5813
Engineering	-	62
Engineering, electrical	-	6213
Engineering, farm	-	6317
Engineering, gas	-	6214
Engineering, mechanical	-	621
Engineering, steam	-	6211
Engineering, water	-	6212
Entomology	-	5957
Environment	-	5753
Enzymes	-	66311

Ephemerides	-	528
Equations, differential	-	51738
Equations, theory of	-	51282
Erosion	-	55135
Errors of observation	-	5196
Ethnology	-	572
Euclid	-	5131
Evolution	-	575
Experimental zoology	-	591
Explosives	-	6622
External action	-	5513
Farm engineering	-	6317
Farming	-	63
Fats, vegetable	-	66531
Faunas, local	-	5919 (.)
Ferments	-	6631
Ferns	-	5873
Fertilisation, plant	-	58116
Fertilizers	-	6316
Field geology	-	5507
Finger prints	-	5736
Finite differences	-	5176
Fish and game	-	639
Fisheries	-	6392
Fishes	-	597
Fishes, fossil	-	567
Flies	-	59577
Flora medica	-	58163
Floras, local	-	5819 (.)
Fodder crops	-	6333
Food crops	-	6331
Foods	-	664
Foods, analysis	-	5431
Foraminifera	-	59312
Foraminifera, fossil	-	56312
Forestry	-	634
Forestry, regional	-	634 (.)
Fossil Amphibia	-	5676
Fossil Arachnida	-	5654
Fossil birds	-	5682
Fossil Brachiopoda	-	5648
Fossil Bryozoa	-	5647
Fossil Cetacea	-	5695
Fossil corals	-	5636
Fossil Crustacea	-	5653
Fossil Echinodermata	-	5639
Fossil fishes	-	567
Fossil Foraminifera	-	56312
Fossil invertebrates	-	562
Fossil mammals	-	569
Fossil Mollusca	-	564
Fossil plants	-	561
Fossil Polyzoa	-	5647
Fossil Protozoa	-	563
Fossil reptiles	-	5681
Fossil sponges	-	5634
Fossil trilobites	-	565393
Fossil vertebrates	-	566

SUBJECT INDEX

Fourth dimension - - -	5138	Groups, algebraic - - -	51286
Fowls, domestic - - -	6365	Growth, plant - - -	581143
Frogs - - - - -	5978	Guinea-pigs - - - -	59932
Fruit trees - - - -	6341	Gymnosperms - - - -	585
Fruits - - - - -	6341		
Fuel - - - - -	6626	Habits and behaviour,	
Functions, calculus of - -	5175	animal - - - - -	5915
Functions, elliptic - - -	51736	Habits of plants - - -	5815
Fungi - - - - -	5892	Heart, animal - - - -	591412
Fungicides - - - - -	632952	Heat - - - - -	536
Fungus diseases - - - -	6324	Hemiptera - - - - -	59575
		Hepaticæ - - - - -	5883
Galls, plant - - - - -	58122	Herbals - - - - -	5809
Galvanism - - - - -	5373	Heredity - - - - -	5751
Game - - - - -	6391	Herring - - - - -	639222
Gardening, commercial -	6351	Heterogenesis - - - -	576
Gas engineering - - - -	6214	Histology, animal - - -	5918
Gas, lighting - - - - -	6657	Histology, plant - - -	5818
Gas, natural - - - - -	55328	Holothuroidea - - - -	59396
Gelatine - - - - -	66831	Horse, diseases - - - -	6191
Gems - - - - -	5538	Horse, treatment - - -	6191
Generation, animal - - -	59116	Horses - - - - -	6361
Geodesy - - - - -	526	Horticulture - - - - -	635
Geographical botany - - -	5819	Hot springs - - - - -	55128
Geographical zoology - -	5919	Human species - - - -	5999
Geography, physical - - -	5514	Hunting - - - - -	6391
Geological agents - - - -	5519	Hydraulics - - - - -	5328
Geology - - - - -	55	Hydro-dynamics - - - -	5325
Geology, agricultural - -	63 : 55	Hydro-mechanics - - -	532
Geology, economic - - -	553	Hydrostatics - - - - -	5321
Geology, field - - - - -	5507	Hydrozoa - - - - -	5937
Geology, glacial - - - -	55179	Hygrometry - - - - -	55157
Geology, physical - - - -	551	Hymenoptera - - - - -	59579
Geology, regional - - - -	55 (.)		
Geology, stratigraphical	5517		
Geology, structural - - -	5518	Ice Age - - - - -	55179
Geometrical conics - - -	51322	Igneous rocks - - - -	5521
Geometrical optics - - -	5353	Industrial alcohol - - -	661722
Geometry - - - - -	513	Industrial crops - - - -	6334
Geometry, analytical - - -	516	Industries, miscellaneous	668
Geometry, co-ordinate - -	516	Infinitesimal analysis -	517
Geometry, descriptive - -	515	Infusoria - - - - -	59315
Geometry, modern - - - -	5135	Injurious insects - - -	6327
Geometry, non-Euclidean	5138	Inorganic chemistry - -	546
Geometry, projective - - -	5135	Insecta - - - - -	5957
Geometry, solid - - - - -	5163	Insecticides - - - - -	632951
Geophysics - - - - -	551	Insects, injurious - - -	6327
Germ cells - - - - -	59133	Insects, useful - - - -	638
Glaciation - - - - -	55131	Instinct, animal - - - -	59151
Glaciers - - - - -	55131	Integral calculus - - -	5173
Glass - - - - -	6661	Internal action - - - -	5512
Glue - - - - -	66831	Invertebrates - - - - -	592
Gold - - - - -	55341	Invertebrates, fossil -	562
Granite - - - - -	55241	Iron ore - - - - -	5533
Granites - - - - -	55352	Irrigation - - - - -	6313
Grapes - - - - -	6346		
Grass crops - - - - -	6333141	Kinematics - - - - -	5311
Grasses - - - - -	5849	Kinetics - - - - -	5313
Grasses, crops - - - - -	6333141		

SUBJECT INDEX

Lakes - - -	·551481	Monkeys - - -	·5998
Land reform - - -	·63 : 34	Monocotyledons - - -	·584
Least squares - - -	·5198	Monstrosities - - -	·5739
Lepidoptera - - -	·59578	Moors - - -	·551481
Lichens - - -	·5891	Morphology, animal - - -	·5914
Life, origin of - - -	·576	Morphology, plant - - -	·5814
Life, science of - - -	·57	Mosses - - -	·5882
Light - - -	·535	Moths - - -	·59578
Lighting - - -	·665	Moulds - - -	·57683
Lighting gas - - -	·6657	Mountains - - -	·55143
Lithology - - -	·552	Movement, animal - - -	·59117
Live stock - - -	·636	Mushrooms - - -	·5892
Living matter, properties of - - -	·577	Mushrooms, parasitic - - -	·58124
Lizards - - -	·59811	Mycology - - -	·5892
Lycopodiums - - -	·5879	Myriapoda - - -	·5956
Magnetism - - -	·538	Natural gas - - -	·55328
Maize - - -	·633151	Natural history - - -	·57 or ·59
Mammals - - -	·599	Natural history of man - - -	·573
Mammals, domestic - - -	·59975	Natural selection - - -	·5754
Mammals, fossil - - -	·569	Navigation - - -	·527
Man - - -	·5999	Nematodes - - -	·59513
Man, natural history of - - -	·573	Nervous system, animal - - -	·59118
Man, study of - - -	·572	Neuroptera - - -	·59574
Manure, industries - - -	·6686	Nickel - - -	·55348
Manures - - -	·6316	Non-metallic elements - - -	·5461
Manures, chemical - - -	·63167	Noxious animals - - -	·59165
Marbles - - -	·55351	Numbers, theory of - - -	·51281
Market gardening - - -	·6351	Nutrition, plant - - -	·58113
Marsupials - - -	·5992	Oats - - -	·63314
Mathematics - - -	·51	Ocean currents - - -	·55147
Mechanical chemistry - - -	·54112	Oceans - - -	·55146
Mechanical engineering - - -	·621	Oil, geology - - -	·55328
Mechanics - - -	·531	Oils, industries - - -	·665
Medicinal plants - - -	·58163	Oils, vegetable - - -	·66531
Medicines, analysis - - -	·5431	Optics - - -	·535
Mensuration - - -	·5118	Orchids - - -	·58415
Metallic elements - - -	·5463	Ores - - -	·5531
Metalloids - - -	·5461	Organic chemistry - - -	·547
Metallurgy - - -	·669	Organs of movement, animal - - -	·59147
Metamorphic rocks - - -	·5524	Origin of life - - -	·576
Metamorphosis - - -	·59134	Orthoptera - - -	·59572
Meteorites - - -	·5526	Osteology, animal - - -	·591471
Meteorology - - -	·5515	Oyster culture - - -	·6394
Methods of cultivation - - -	·6319	Paints - - -	·6676
Microbes - - -	·5768	Palæobotany - - -	·561
Microscopical petrography - - -	·5528	Palæontology - - -	·56
Microscopy - - -	·578	Palæontology, regional - - -	·56(.)
Milk - - -	·6371	Palæontology, stratigraphical - - -	·56(.)
Milk, analysis - - -	·5432	Palæozoology - - -	·562
Mineralogy - - -	·549	Parasites, animal - - -	·59169
Miscellaneous industries - - -	·668	Parasitic plants - - -	·58169
Modern co-ordinate geometry - - -	·5165	Parasitism, plant - - -	·58123
Moisture - - -	·55157	Parthenogenesis, animal - - -	·591162
Molecular physics - - -	·539	Parthenogenesis, plant - - -	·581163
Mollusca - - -	·594		
Mollusca, fossil - - -	·564		

SUBJECT INDEX

Pasturage - - -	•63331	Pneumatics - - -	•533
Pathology, animal - -	•5912	Poisonous plants - -	•58165
Pathology, plant - -	•5812	Poisons, analysis - -	•5435
Peach trees - - -	•6341161	Poisons, animal - -	•591145
Peat - - -	•662641	Pollen - - -	•581312
Pests - - -	•632	Polyzoa - - -	•5947
Petrography - - -	•552	Polyzoa, fossil - -	•5647
Petrography, microscopi- cal - - -	•5528	Porifera - - -	•5934
Petroleum - - -	•55328	Potamogetons - - -	•584743
Petrology - - -	•552	Poultry - - -	•6365
Phanerogams - - -	•582	Practical chemistry -	•542
Phase rule - - -	•54112	Precious stones - -	•5538
Physical chemistry - -	•541	Prehistoric age - -	•571
Physical geography - -	•5514	Primates - - -	•5998
Physical geology - -	•551	Probabilities - - -	•519
Physical optics - - -	•5354	Projective geometry -	•5135
Physics - - -	•53	Properties of living matter	•577
Physics, agricultural -	•63 : 53	Proteids - - -	•547786
Physiography - - -	•551	Protozoa - - -	•5931
Physiology, animal - -	•5911	Protozoa, fossil - -	•5631
Physiology, plant - -	•5811	Pruning - - -	•6319621
Physiophilosophy - -	•5701	Pteridophytes - - -	•587
Phytography - - -	•5807	Pyrotechnics - - -	•662
Pig, diseases - - -	•6194	Qualitative analysis -	•544
Pig, treatment - - -	•6194	Quantitative analysis -	•545
Pigs - - -	•6364	Quaternions - - -	•5168
Plains - - -	•55145	Races - - -	•572
Plane geometry - - -	•5131	Radioactivity - - -	•54121
Plane trigonometry - -	•5146	Rainfall - - -	•55157
Planets - - -	•5234	Regeneration, animal -	•591169
Plant biochemistry - -	•58119	Regional forestry - -	•634 (.)
Plant chemistry - - -	•58119	Regional palaeontology -	•56 (.)
Plant development - -	•58114	Relativity - - -	•5301
Plant diseases - - -	•58121	Reproduction, plant -	•58116
Plant economics - - -	•5816	Reptiles - - -	•5981
Plant embryology - - -	•5813	Reptiles, fossil - -	•5681
Plant fertilisation - -	•58116	Respiration - - -	•59112
Plant galls - - -	•58122	Rivers - - -	•551482
Plant growth - - -	•581143	Rocks - - -	•552
Plant habits - - -	•5815	Rocks, igneous - - -	•5521
Plant histology - - -	•5818	Rocks, metamorphic -	•5524
Plant morphology - - -	•5814	Rocks, sedimentary -	•5525
Plant movement - - -	•58118	Rotifera - - -	•59518
Plant names - - -	•5801	Rubber - - -	•633473
Plant nutrition - - -	•58113	Ruminants - - -	•599735
Plant parasitism - - -	•58123	Saccharomycetes - -	•58929
Plant parthenogenesis -	•581163	Salmon - - -	•5975
Plant pathology - - -	•5812	Sands - - -	•55362
Plant physiology - - -	•5811	Science, general - - -	•5
Plant reproduction - -	•58116	Sea margins - - -	•55135
Plant teratology - - -	•5812198	Sea weeds - - -	•5893
Plant variation - - -	•58115	Seals - - -	•5995
Plants, fossil - - -	•561	Sedimentary rocks - -	•5525
Plants, medicinal - -	•58163	Seeds - - -	•5813
Plants, parasitic - - -	•58169	Seismology - - -	•5512
Plants, poisonous - -	•58165	Selection, natural - -	•5754
Plants, textile - - -	•633411		
Plum trees - - -	•6341171		

SUBJECT INDEX

Sex - - - - -	5778	Ticks - - - - -	59542
Sex, plant - - - -	581162	Tineina - - - - -	595782
Sheep - - - - -	6363	Tortoises - - - - -	59813
Sheep, diseases - -	61931	Transpiration - -	581116
Sheep, treatment -	61931	Trees - - - - -	634
Silo - - - - -	6319832	Trees, apple - - -	634112
Snakes - - - - -	59812	Trees, cherry - - -	6341172
Soap - - - - -	6681	Trees, fruit - - -	6341
Soils - - - - -	631	Trees, peach - - -	6341161
Solar system - - -	5211, 5232	Trees, plum - - -	6341171
Solid geometry - -	5163	Trigonometry - - -	514
Solubility - - - -	5418	Trilobites - - - -	595393
Sound - - - - -	534	Trilobites, fossil -	565393
Spectrum analysis -	5446	Tunicata - - - - -	5949
Sphagnum - - - - -	5881	Ungulata - - - - -	59971
Spherical trigonometry	5146	Useful insects - - -	638
Spiders - - - - -	5954	Variables, complex -	5178
Sponges - - - - -	5934	Variation - - - - -	5752
Sponges fossil - - -	5634	Variation, animal -	59115
Statics - - - - -	5312	Variation, plant - -	58115
Statics, chemical -	54112	Variations, calculus of	5174
Steam engineering -	6211	Vectors - - - - -	5168
Stellar system - - -	5238	Vegetable gardening	6351
Stereo-chemistry - -	5416	Vegetable kingdom -	53
Stones - - - - -	552	Vegetable oils - - -	66531
Stones, artificial -	666232	Vertebrates - - - -	596
Stones, building - -	5535	Vertebrates, fossil -	566
Stones, precious - -	5538	Veterinary science -	619
Stratigraphical geology	5517	Vine - - - - -	6346
Stratigraphical palæon-		Vital force - - - -	5776
tology - - - - -	56 (.)	Volcanoes - - - - -	55121
Stratigraphy - - - -	5517	Volumetric analysis -	5455
Structural geology -	5518	Wasps - - - - -	59579
Structure of earth -	5511	Water, analysis - - -	5433
Sugar-beet - - - -	633433	Water engineering - -	6212
Sulphuric acid - - -	66125	Weather - - - - -	5515
Sun - - - - -	5237	Weeds - - - - -	6325
Superphosphates - -	6316724	Weismannism - - - -	5751
Surveying - - - - -	5269	Whales - - - - -	5995
Taxidermy - - - - -	5794	Wheat - - - - -	63311
Technology, chemical -	66	Winds - - - - -	55151
Telegraph - - - - -	53781	Wireless - - - - -	53788
Telephone - - - - -	53782	Woman - - - - -	573
Temperature - - - -	5365	Worms - - - - -	5951
Teratology, animal -	591159	Zoology - - - - -	59
Teratology, plant - -	5812198	Zoology, agricultural	63 : 59
Terpenes - - - - -	5472	Zoology, biological -	591
Textile plants - - -	633411	Zoology, experimental	591
Thallophytes - - - -	589	Zoology, geographical	5919
Theory of equations -	51282	Zoophytes - - - - -	5935
Theory of numbers - -	51281	Zootechny - - - - -	636
Theory of probabilities	519		
Thermo-chemistry - -	54111		
Thermo-dynamics - -	5367		
Thermo-dynamics - -	54111		

AUTHOR INDEX.

- Aaron, C. H.**
Assaying 6699
- Abady, J.**
Gas analyst's manual 6657
- Abbott, C. C.**
Travels in tree-top 5704
- Abegg, R.**
Anorgan. Chemie 54602
- Abel, N. H.**
Œuvres 5108
- Abel, N. H., and Galois, E.**
Algebr. Auflösung 5122
- Abel, O.**
Paläozoologie 562
- Abercromby, J.**
Bronze age pottery 57155(42)
- Abercromby, R.**
Weather 551504
- Aberdeen working men's**
nat. hist. soc.
Trans. 5706(4125) W.M.
- Abney, W. de W.**
Colour vision 5356
- Abraham, H.**
Physique 5307
- Abraham, H., and Langevin, P.**
Ions, electrons 5371
- Abraham, H., and Sacerdote, P.**
Constantes 53083
- Abraham, M.**
Electrizität 5371
- Académie des Sciences.**
Comptes rendus 506(44) P.C.
Mémoires 506(44) P.M.
Mém. par savans 506(44) P.M.S.
- Académie roy. de Belgique.**
Bulletin 064 B.B.
Bull. des sciences 506(493) A.B.
Mémoires 064 B.M.
Mém. couronnés 064 B.M.C.
Mém. des sciences 506(493) A.B.
- Academy of nat. sciences**
of Philadelphia.
Proc. 5706(748)
- Accademia dei Lincei.**
Atti 065 R.A.
Memorie 065 R.M.
- Accademia di Torino.**
Atti 065 T.A.
Acta mathematica 5105 A.
— zoologica 5905 A. ZO.
- Adami, J. G.**
Med. contrib. to evolu-
tion 575 : 61
- Adams, A. L.**
Brit. foss. elephants P.S. 56961(42)
- Adams, F. D., and Coker, E. G.**
Constants of rocks 55204
- Adams, J. C.**
Papers 53081
- Adams, L. E.**
Brit. shells 594(42)
- Adams, W. S.**
Sim's period 52373
- Adhémar, R. d'.**
Equation de Fredholm 51738
- "Adventure."** Voyage 5(∞)
- Agardh, J. G.**
Spec. gen. algarum 5893
- Agassiz, A.**
"Blake" cruises 5(261)
- Agassiz, L.**
Bibliogr. zool. 016 : 59
- Agricultural gazette**
— index 6305 A.G.
Ref. 016 : 63
- journ. of Union of**
S. Africa 6305 A.J.
- news** 6305(729) A.N.
- research assoc.**
Proc. 6306(4125) A.A.
- soc. of England, R.**
Journ. 6306 A.S.
- Aitken, E. H., pseud. Eha.**
Tribes on my frontier 5915(54)
- Akademie d. Wissensch.**
zu Wien. Sitzungs. 063 V.S.M.
- Sitzungs. Abt. 1** 5706(436) s.
- Sitzungs. Abt. 2** 063
- Sitzungs. Abt. 2b** 5406(436)
- Akademie v. Wetensch.**
[Amsterdam]. Proc. 06393 A.W.
- Alaska.**
Harriman exped. 5(798)

ALBERT—ARBER

- Albert I, Monaco.**
 Résultats des campagnes f. '5(26)
- Alcock, A. W.**
 Indian deep-sea Crustacea f. '5953841(267)
 Indian seas '5(267)
- Alden, J. S.**
 Structure of matter '5391
- Alder, J., and Hancock, A.**
 Brit. Mollusca f. '59436(42)
 Brit. Tunicata '5949
- Alderwerelt van Rosenburgh, C.R.W.K. van.**
 Malayan ferns '5873(91)
- Aldis, W. S.**
 Solid geom. '5163
- Alembert, J. le R. d'.**
 Système '5211
- Alembic club reprints** '54082
- "Alert."**
 Zool. collections B.M. '5919(265)
- Allbutt, Sir T. C.**
 Compos. of scient. papers '5 : 407
- Allen, A. H.**
 Organic analysis '6602
- Allen, G.**
 Vignettes from nature '57504
- Allen, H. S.**
 Photo-electricity '537 : 535
- Allen's Naturalist's libr.** '59082 SHA.
- Allman, G. J.**
 Polyzoa f. '5947
- Allman, J.**
 Gymnoblastic hydroids f. '5937
- Allmand, A. J.**
 Electrochemistry '54113
- Alston, C. H.**
 Wild life in W. Highlands '5919(411)
- American chem. journ.** '5405 A.C.
 — chem. soc. Journ. '5406(7) C.J.
 — — Proc. '5406(7) C.P.
 — electrochem. soc. Trans. '5411306(73)
 — — journ. of math. '5105 Am.
 — — journ. of science '505 A.
 — — math. soc. Trans. '5106 A.M.
 — — phil. soc. Trans. '506(73) P.A.
 — — soc. of agronomy. Journal '6306(73)A.A.
- Amphlett, J., and Rea, C.**
 Botany of Worcester-shire '5819(4247)
- Amsterdam. See Akademie.**
- Analyst, The** '5406 A.
- Anderson, K.**
 Chiroptera B.M. '5994
- Anderson, T.**
 Volcanic studies '55121
- Andersonian naturalists' soc.**
 Annals '5706(4143) A.N.
- Andés, L. E.**
 Vegetable fats '66531
- Andoyer, H.**
 La Lune '5216
- André, D.**
 Notations math. '51014
- Andrews, C. W.**
 Christmas Island B.M. '5(97)
 Elephants B.M. '59961
 Marine reptiles B.M. '5981(26)
- Andrews, T.**
 Papers '53081
- Angot, A.**
 Aurora '52359
 Instruct. météorol. '551507
- Annalen d. Chem. u. Pharmacie** '5405 L.A.
 — d. Pharmacie '5405 L.A.
 — d. Physik '5305 A.P.
- Annales agronomiques** '6305 A.A.
 — de chimie. '5405 AN.C.
 — de la science agromique '6305 A.S.
 — de math. '5105 GE.
 — de physique '5305 A.PH.
 — des sciences nat. '5705 A.S.
 — — Botanique '5805 A.S.
 — — Zoologie '5905 A.S.
 — scient. '5105 A.S.
- Annali di matematica** '5105 An.
- Annals and mag. of nat. hist.** '5705 A.
 — of botany '5805 A.B.
 — of Scot. nat. hist. '5705(41) A.S.
- Année biologique** '5705 A.B.
- Annuaire internat. de legislat. agric.** '6305 A.I.L.
 — internat. de statistique agric. '6305 A.I.S.
- Anthropological Inst. of Gt. Brit. and Ireland. Journ.** '57206 A.I.
- Anthropologie, L'** '57205 A.
- Appell, P.**
 Mécanique '531021
 Roulement '53134
- Appell, P., and Goursat, E.**
 Fonctions algèbr. '5175
- Arago, F.**
 Œuvres '52081
- Arber, A.**
 Herbals '5809
 Water plants '5819(28)

ARBER—BACON

- Arber, E. A. N.**
Devonian floras ·561(114)
Plant life in Alp. Switzerland ·5819(23435)
Plants of glossopteris flora B.M. ·561(115 : 54)
Scenery of N. Devon ·55(4235)
- Arbuthnot, J.**
Light hazely ground ·6304
- Archimedes.**
Works ·5108
- Archiv f. Anthropologie** ·57205 A.A.
— f. Protistenkunde ·5905 A.P.
— f. wissensch. u. prakt. Thierheilkunde ·61905 A.T.
- Archives de parasitologie** ·5916905 A.P.
— de zool. expér. ·5905 A.Z.
— ital. de biol. ·5705 A.I.
- Arendt, R.**
Anorgan. Experimental-chemie ·546
- Ariès, E.**
Electricité ·5371
- Arkiv för botanik.** ·5806(485)
— för kemi, etc. ·5406(485)
— för matematik ·5106 s.
— för zoologi ·5906(485)
- Armatage, G.**
Cattle doctor ·6192
- Armitage, F. P.**
Hist. of chem. ·5409
- Armstrong college—Newcastle-upon-Tyne.**
Dairy investigations ·637
- Arnold, E. L.**
Bird life in England ·5982(42)
- Arnott, N.**
Physics ·53022
- Arrhenius, S. A.**
Chemistry ·5401
Electrochemistry ·54113
— ·537332
Kosm. Physik ·52 : 53
Solutions ·5418
- Ascherson, P.**
Festschrift ·58082
- Ashton, W.**
Coast-line ·55135
- Ashworth, J. H.**
Chaetopoda B.M. ·59514
- Asiatic soc. of Bengal.**
Journal ·06(541)
— ·5706(541)
- Askenasy, P.**
Elektrochemie ·6602
- Askwith, E. H.**
Anal. conics ·5161
Pure geom. ·5135
- Assheton, R.**
Growth in length ·5913081
- Association française.**
Comptes rendus ·506(44) A.F.
- Association internat. de sismol.**
Comptes-rendus ·551206 A.I.
- Association of official agric. chemists of N. Amer.**
Journal ·6306(7) A.O.
- Astron. Nachrichten** ·5205 A.N.
— register ·5205 A.R.
— Soc., R. Memoirs ·5206 A.M.
Notices ·5206 A.N.
- Astro-phys. journal** ·5205 A.J.
- Attfield, J.**
Chemistry ·5402
- Auden, G. A.**
Survey of York ·5(4274)
- Auerbach, F.**
Physik ·5307
- Austen, E. E.**
African blood-sucking flies B.M. ·59165(6)
Brit. blood-sucking flies B.M. ·59165(42)
Handbk. of tsetse-flies B.M. ·595772
Monograph of tsetse flies B.M. ·595772
House fly B.M. ·591608 ECO. 1³
- Austen, Sir W. C. R.**
Metallurgy ·66902
- Australasian association.**
Reports ·506(93)
- Australian Museum.**
Records ·5906(94)
- Auwers, K.**
Stereochemie ·5416
- Avebury, Lord.**
Ants, bees, and wasps ·5915 : 59579
Beauties of nature ·504
Collembola ·59571
Fifty years of science ·509
Lectures ·504
Origin of insects ·59134 : 5957
Prehistoric times ·571
Scenery of England ·55(42)
Scenery of Switzerland ·55(494)
Seedlings ·5813
Senses of animals ·59151
- Axe, J. W.**
Horse ·6191
- Babington, C. C.**
Brit. botany ·5819(42)
Memorials ·58092
- Bachmann, H.**
Phytoplankton ·5893(28)
- Bacon, J. M.**
By land and sky ·5336

BADENOCH—BARUS

- Badenoch, L. N.**
Tales of insects .595704
- Badham, C. D.**
Esculent funguses .5892(42)
- Baeyer, A. von.**
Werke .54081
- Bailey, F. M.**
Queensland plants .5819(943)
- Bailey, L. H.**
Agriculture .6302
Cyclopedia of Amer. agric. Ref. 6303
Cyclopedia of horticulture Ref. 63503
Forcing-book .6351
Fruit-growing .6341
Garden-making .635
Native fruits .6341(73)
Nursery-book .63195
Plant-breeding .58115
Pruning-book .6319621
Vegetable-gardening .6351
- Baillon, H.**
Dict. de botanique f .5803
- Bain, A.**
Astronomy A
Electricity A
Meteorology A
- Baird, S. F.**
Life: Dall .57092
- Baird, S. F., and others.**
N. Amer. birds .5982(7)
Water birds of N. Amer. .5982(7)
- Baird, W.**
Brit. Entomostraca .59531(42)
- Baire, B.**
Fonctions discont. .5175
- Baker, A. L.**
Elliptic funct. .51736
- Baker, H. C.**
Conifers f. 5852
- Baker, H. F.**
Abel's theorem .51736
Multiple functions .51736
- Baker, J. G.**
Botan. geography .5819
- Baker, R. T.**
Hardwoods of Australia f. 634(94)
- Baker, T.**
S rveying .5269
- Balch, E. S., and E. M.**
Art and man .5717
- Balfour, F. M.**
Compar. embryology .591302
Elasmobranch fishes .5913 : 5973
Works .591081
- Ball, J.**
S. America .5(8)
- Ball, Sir R. S.**
Astronomy .523023
Atlas of astron. .52084
Exper. mechanics .53107
Great astron. .92 : 5208
Ice age .55179
In high heavens .52304
In starry realms .52304
Mechanics .531023
Spher. astron. .5227
Star-land .52304
Story of heavens .523022
Story of sun .5237
- Ball, W. W. R.**
Hist. of math. .5109
Math. recreations .51079
Maths. at Cambridge .5109
- Ballou, H. A.**
Insect pests .6327(729)
- Balls, W. L.**
Cotton plant .6334113
- Baly, E. C. C.**
Spectroscopy .5446
- Bancroft, W. D.**
Colloid chem. .54114
- Banfield, E. J.**
Tropic days .572(943)
- Banks, Sir J.**
Journal .5(∞)
- Banta, A. M.**
Fauna of Mayfield's cave .5919(24)
- Barbarin, P.**
Géom. non-euclid. .5138
- Barbillion, L.**
Courants alternatifs .53855
- Bardswell, F. A.**
Herb-garden .6351
- Barnard, J. E.**
Photo-micrography .578 : 778
- Barrett, C. G.**
Lepidoptera of Brit. Is. .59578(42)
- Barrow, J.**
Works .5108
- Bartholemew, J. G.**
Zoogeography f. 59084
- Bartholomew, J. G., and Herbertson, A. J.**
Atlas of meteorol. f. 5515084
- Barton, E. H.**
Mechanics .531021
Sound .53402
- Barus, C.**
Condens. of vapor .54121
Displacement interferometer .535411
Displacement interferometry .53541
Elliptic interferences .53541

Barus, C. (continued)—

- Gases ·54274
Interferometry ·53541
Nucleation of atmos-
phere ·54121
Bary, A. de
Bacteria ·5768
Organs of phanerogams ·5814
Basset, A. B.
Cubics and quartics ·51626
Hydrodynamics ·5325
Physical optics ·5354
Bataafsche Maatschappij
Archives ·506(492)
Batavia Observ.
Verhandeligen ·5221(922) B.V.
Bate, C. S.
Crustacea B.M. ·595371
Bateman, H.
Diff. equations ·51738
Bateson, W.
Mendel's principles ·5751
Problems of genetics ·5751
Variation ·5752
Bather, F. A.
Blastoidea B.M. ·56391
Foss. invert. animals B.M. ·562
Battelli, A., and others.
Radioactivité ·54121
Bauhin, C.
Φυτοπλαξ ·58
Baur, E.
Vererbungslehre ·57507
Baxter, G. P.
Atom. weights of cad-
mium ·5412
Bayerische Akad.
Abhandl. ·063 M.A.M.
Sitzungsb. ·063 M.S.M.
Bayliss, W. M., and others.
Life and its mainten-
ance ·57082
Beach, S. A.
Apples of New York ·634112(747)
Beale, L. S.
How to work microscope ·5786
Bean, W. J.
R. botanic gardens, Kew ·5806 K.BEA
Trees in Brit. Is. ·634(42)
Beaton, Mrs. H.
Notes on farming Λ
Beauverie, J.
Bois ·634
Beccari, O.
Borneo ·5(911)
Malesia f. ·5819(595)
Béchamp, A.
Microzymas ·57683

Bechhold, H.

- Colloids in biol. and
med. ·54114 : 61
Kolloide in Biologie ·54114 : 61
Beck, R.
Ore deposits ·5531
Becker, G. F., and Orstrand, C. E. V.
Hyperbolic functions ·51296
Beddard, F. E.
Animal coloration ·591157
Oligochaeta ·59516
Beddome, R. H.
Ferns of Brit. India ·5873(54)
Beebe, W., and others.
Wild life in Brit. Guiana ·5919(881)
Beecher, C. E.
Studies in evolution ·57504
Beer, J. G.
Morphologie d. Orchi-
deen f. ·581 : 58415
Behla, R.
Amöben ·5931
Behrens, H.
Microchem. anal. ·5436
Behrens, W.
Tabellen z. Gebrauch
bei mikroskop. Arb. ·578
Beilstein, F.
Organ. Chemie Ref. ·54702
Beissner, L.
Nadelholzkunde ·5852
Beiträge z. Biol. d.
Pflanzen ·5805 B.
"Belgica."
Croisière océanographi-
que f. ·55146
Résultats du voyage ·5(269)
Belgique. See Observatoire.
Belgium. See Académie.
Mouvement scient. ·5(493)
Bell, F. J.
Brit. echinoderms B.M. ·5939(42)
Bell, H.
Spherical triangles ·51082 EDI.
Bell, R.
My strange pets ·5915
Bell, T.
Brit. quadrupeds ·599(42)
Foss. malacostracous
Crustacea P.S. ·56536(42)
Bellamy, C. V., and Browne, A. J. J.
Geol. of Cyprus ·55(564)
Beltrami, E.
Opere ·5108
Beman, W. W.
Higher arith. ·5111
Benecke, W.
Bakterien ·5768

BENEDEN—BLÜCHER

- Beneden, P. J. van.**
Animal parasites .59169
- Benedict, F. G.**
Atmosphere .5515 : 543
- Benedict, F. G., and Carpenter, T. M.**
Respir. calorimeters .59112
- Benedikt, R.**
Coal-tar colours .6672
- Bengal.** *See Asiatic soc.*
- Benson, J. W.**
Time tellers .5297
- Benson, O. H., and Betts, G. H.**
Agriculture .63
- Bentham, G.**
Brit. flora .5819(42)
- Bentham, G., and Hooker, J. D.**
Genera plantarum .582
- Bentham, T.**
Asiatic horns .5997(5) IND.
- Bentley, R., and Trimen, H.**
Medicinal plants .58163
- Berget, A.**
Conquest of air .5336
Physique du globe .5514
- Bergson, H.**
Evolution .575
- Berkeley, H.**
Mysticism .5101
- Berlese, A. N.**
Peronosporacee .589252
- Bernard, C.**
Algues unicell. .5893(28 : 91)
Protococcacées .5893(28 : 91)
- Bernard, H. M.**
Apodidae .59531
- Bernard, N.**
Evolution des plantes .58 : 575
- Berry, A.**
Hist. of astron. .5209
- Berry, H. T.**
Hist. of Dublin soc. .506 D.B.
- Berthelot, M.**
Calorimétrie chim. .54111
- Bertillon, A.**
Identification anthropométrique .5736
- Bertrand, J.**
Arithmétique .5111
Probabilités .519
- Berwickshire naturalists' club.**
History .5706(4145)
- Besant, W. H.**
Geom. conics .51322
- Besant, W. H., and Ramsey, A. S.**
Hydromechanics .53202
- Bessel, F. W.**
Abhandlungen .52081
- Betti, E.**
Opere .5103
- Beyschlag, F., and others.**
Useful minerals .5531
- Bezold, W. von.**
Meteorologie .551504
- Bezzi, M.**
Syrphidæ B.M. .595772(63)
- Bibliographia geologica**
Ref. .016 : 55 B.G.
- Bibliographia zoologica**
.016 : 59 B.Z.
- Biddell, H., and others.**
Heavy horses .6361
- Biedermann's Zentralblatt**
.6305 : 54 B.C.
- Bigelow, S. L.**
Theoret. chem. .541
- Binney, E. W.**
Plants in carb. strata P.S. .561(115)
- Biologisches Zentralb.**
.5705 B.C.
- Biometrika**
.5705 B.
- Birkeland, K.**
Taches du soleil .52374
- Bischoff, C. A.**
Stereochemie .5416
- Bjerknes, V.**
Meteorology .5515
- Björling, P. R., and Gissing, F. T.**
Peat .662641
- Black, F. A.**
Problems .5204
- Blackburn, Mrs. H.**
Birds from Moidart .5982(4138)
- Blackwall, J.**
Spiders of Gt. Brit. f. .5954(42)
- Blagg, M. A.**
Lunar formations .52339
- Blake, J. F.**
Brit. foss. Cephalopoda .5645(42)
Fauna of Cornbrash P.S. .56(1162)
- Blanchan, N.**
Birds that hunt .5982(7)
- Blanford, H. F.**
Climates of India, etc. .55156(54)
Phys. geog. .5514(54)
- Blanford, W. T., and Bingham, C. T.**
Fauna of Brit. India .5919(54)
- Blaringhem, L.**
Mutation .58 : 575
- Blew, W. C. A., and others.**
Light horses .6361
- Blochmann, F.**
Thierwelt d. Süßwassers .5931(28)
- Blondlot, R.**
"N" rays .54121
Thermodynamique .5367
- Blount, B., and Bloxam, A. G.**
Chem. for engineers .6602
- Blücher, H.**
Industrial chem. .6603

BLYTH—BRADLEY

- 278

BRADY—BRITISH MUSEUM

- Brady, G. S.**
Copepoda of Brit. Is. ·59534(42)
- Brady, G. S., and others.**
Post-tert. Entomostraca
P.S. ·56531(119 : 41)
- Brady, H. B.**
Carbon. and perm. Foraminifera P.S. ·56312(115)
- Bragg, W. H.**
Radioactivity ·54121
- Bragg, W. H., and W. L.**
X-rays ·5485
- Braithwaite, R.**
Brit. moss-flora ·5882(42)
Sphagnaceæ ·5881
- Brame, J. S. S.**
Fuel ·6626
- Brandis, Sir D.**
Indian trees ·634(54)
- Branner, J. C.**
Geol. of Brazil ·55(81)
- Brannt, W. T., and Wahl, W. H.**
Techno-chem. receipt book ·6603
- Brauer, A.**
Süsswasserfauna Deuts. ·5919(28 : 43)
- Braun, J.**
Cévennes méridionales ·5819(2342)
- Brauns, R.**
Mineral kingdom ·549
- Brefeld, O.**
Schimmelpilze f. ·5892 : 5813
- Brehm, A. E.**
From North Pole ·5(∞)
Merveilles de la nature ·5802
- Bremen.**
See Naturwissensch. Verein.
- Bremner, A.**
Geol. of Dee valley ·55(4125)
Geol. of Don basin ·55(4125)
- Brenchley, W. E.**
Inorganic plant poisons ·63167
Weeds of farm land ·6325
- Brewster, Sir D.**
Newton ·92 : 52
- Brigham, W. T.**
Kilauea and Mauna Loa ·55121(969)
- Bright, T.**
Agric. surveyor's handbook ·63083
- Brillouin, M.**
Atmosphère ·55151
Propagation de l'élect. ·53731
- Brioschi, F.**
Opere ·5108
- British Antarctic Exped.**
Météorology ·5(269)

- British Assoc. Reports** ·506 B.A.
— birds ·5905 B.B.
— ecological soc.
Journ. of ecology ·581506 B.E.
- British Museum.**
"Alert" Zool. collections
B.M. ·5919(265)
- Anderson's Chiroptera B.M. ·5994
Andrews' Elephants B.M. ·59961
Andrews' Marine reptiles B.M. ·5981(26)
Arber's Plants of glossopteris flora B.M. ·561(115 : 54)
Ashworth's Chaetopoda B.M. ·59514
- Austen's African blood-sucking flies B.M. ·59165(6)
— Brit. blood-sucking flies B.M. ·59165(42)
— Handbk. of tsetse-flies B.M. ·595772
— Monograph of tsetse-flies B.M. ·595772
- Bates' Crustacea B.M. ·595371
Bather's Blastoidea B.M. ·56391
— Foss. invert. animals B.M. ·562
- Bell's Brit. echinoderms B.M. ·5939(42)
- Books illustr. plant classification B.M. ·58091
- Boulenger's Batrachia gradientia B.M. ·5979
— Batrachia salientia B.M. ·5978
— Chelonians B.M. ·59813
— Fishes B.M. ·597
— Fishes of Africa B.M. ·597(6)
— Lizards B.M. ·59811
— Snakes B.M. ·59812
- Britten's Australian plants B.M. ·582(94)
- Brook and Bernard's Madreporarian corals B.M. ·59366
- Butler's Lepidoptera heterocera B.M. ·595781
- Crick's Fossil Cephalopoda B.M. ·5645
- Crombie and Smith's Monograph of lichens B.M. ·5891(42)
- Darwin B.M. ·57092
- Distant's Homoptera B.M. ·595753
- Economic series B.M. ·591608 ECO 1²→
- Etheridge and Carpenter's Blastoidea B.M. ·56391
- Fawcett and Rendle's Flora of Jamaica B.M. ·5819(7292)
- Fletcher's Meteorites B.M. ·5526

BRITISH MUSEUM—BROECK

British Museum (*continued*)—

- Fletcher's Rocks B.M. '552
 Foord and Crick's Fossil
 Cephalopoda B.M. '5645
 J. E. Gray's Ruminant
 Mammalia B.M. '599735
 Gregory's Cretaceous
 Bryozoa B.M. '5647(117)
 — Jurassic Bryozoa B.M. '5647(1162)
 Günther's Batrachia salientia B.M. '5978
 — Colubrine snakes B.M. '59812
 — Fishes B.M. '597
 — Tortoises B.M. '59813
 Guide to birds B.M. '5982
 — Brit. fresh-water fishes B.M. '597(42)
 — Brit. vertebrates B.M. '596(42)
 — Crustacea, etc. B.M. '5952
 — domesticated animals. B.M. '636
 — elephants B.M. '59961
 — exhib. of animals B.M. '5 : 22
 — foss. remains B.M. '569
 — gallery of fishes B.M. '597
 — great game animals B.M. '59971
 — nat. hist. books B.M. '59091
 — specimens—anthropology B.M. '573
 — specimens—horse family B.M. '6361
 — specimens illustr. flight B.M. '59147
 — specimens of insects B.M. '5916
 — whales B.M. '5995
 Handbk. for collectors B.M. '579
 Harris's Tertiary Mollusca B.M. '564(118)
 Hiern's African plants B.M. '5819(6)
 Hinde's Fossil sponges B.M. '5634
 Jones's Fossil Foraminifera B.M. '56312
 Kidston's Palaeozoic plants B.M. '561(112)
 Kirby's Orthoptera B.M. '59572
 Linnaeus B.M. '5092
 List of casts of fossils B.M. '56
 Lister's Mycetozoa B.M. '58939
 Lydekker's Domesticated animals B.M. '636
 — Foss. birds B.M. '5682
 — Foss. Mammalia B.M. '569
 — Foss. Reptilia B.M. '5681
 — Great game animals B.M. '59971
 — Heads of Indian game B.M. '5997(54)

- Lydekker's Horse family B.M. '6361
 — Ungulate mammals B.M. '59971
 — Whales B.M. '5995
 Miller's Mammals of W. Europe B.M. '599(4)
 Morley's Brit. Hymenoptera B.M. '595792(42)
 — Incheumonidae B.M. '59579
 Newton's Brit. olig. and eoc. Mollusca B.M. '564(1181 : 42)
 Oates and Reid's Birds' eggs B.M. '5982
 — Corrections B.M. '5982
 Ogilvie-Grant's Guide to birds B.M. '5982
 Rendle's Plants in S. Nigeria B.M. '5819(669)
 Rendle and Britten's Seed-plants B.M. '587(42)
 Seward's Mesozoic plants B.M. '561(116)
 Sharpe's Birds B.M. '5982
 A. L. Smith's Brit. lichens B.M. '5891(42)
 W. Smith's Brit. Diatomaceae B.M. '589311(42)
 W. G. Smith's Brit. fungi B.M. '5892(42)
 — Drawings of mushroom rooms B.M. '589214
 "Southern Cross" collections B.M. '5919(99)
 Stopes's Mesozoic plants B.M. '561(116)
 Theobald's Culicidae B.M. '59577
 — Economic zool. B.M. '5916
 Thomas's Marsupialia B.M. '5992
 Thorell's Spiders of Burma B.M. '5954(592)
 Walker's Heteropt. Hemiptera B.M. '595754
 Waterhouse's Insects B.M. '5957
 Wernham's Sabicea B.M. '583291
 Woodward's Brit. foss. Crustacea B.M. '5653(42)
 — Foss. fishes B.M. '567
 — Pisidium B.M. '594(42)
British mycological soc.
 Trans. '58606 B.M.
 — rainfall '5515705 B.R.
 — year-book of agric. '63059 B.Y.
Britten, J.
 Australian plants B.M. '582(94)
 European ferns '5873(4)
Britton, N. L., and Rose, J. N.
 Cactaceae '583471
Broeck, E. van den
 Cavernes de la Belgique '55144(493)

BROHM—BUDDEN

- Brohm, Major.**
Helgoland f. 55135(43518)
- Bromwich, T. J. I.**
Infinite series 51721
Quadratic forms 51288
- Bronn, H. G.**
Klassen d. Thierreichs 59
- Bronn, J.**
Keramisch. Gewerbe 666
- Brook, G., and Bernard, H. M.**
Madreporarian corals B.M. 59366
- Brooks, E.**
Philos. of arith. 51101
- Brooks, W. K.**
Genus Salpa f. 5949
Invertebrate zool. 592
Zoology 5701
- Brose, H. L.**
Relativity 5301
- Brown, A. F.**
Sylviculture in tropics 634(213)
- Brown, G.**
Melanesians 572(93 : 96)
- Brown, G. T.**
Animal life 636
- Brown, H.**
Rubber 63340821 IMP. 4
- Brown, J. A. H.**
Fauna of Tay Basin 596(413)
- Brown, J. A. H., and Buckley, T. E.**
Vertebrate fauna of Argyll 596(4138)
Vertebrate fauna of Moray basin 596(412)
Vertebrate fauna of Outer Hebrides 596(4117)
Vertebrate fauna of Sutherland 596(411)
- Brown, J. A. H., and Macpherson, H. A.**
Fauna of Highlands 5919(411)
- Brown, J. C.**
Finland, its forests 634(471)
Forestry in Ural Mts. 634(476)
Forests in Poland 634(475)
Forests of England 634(42)
Forests of Russia 634(47)
French forest ordinance 634(44)
Pine plantations of France 634(44)
Reboisement in France 634(44)
School of forest engineers in Spain 634(46)
Schools of forestry in Germany 634(43)
- Brown, M.**
Taxidermy 5794
- Brown, R.**
Botan. works 58081
- Brown, R.**
Constellations 88 : 52
- Brown, T.**
Conchology of Gt. Brit. 594(42)
- Browne, A. J. J.**
Building of Brit. Is. 55(42)
Hills of Torquay 55(4235)
- Browning, P. E.**
Rarer elements 546
- Bruce, R.**
Shorthorns 6362
- Bruce, W. H.**
Triangle 51314
- Bruck, W. F.**
Plant diseases 58121
- Brücke, E.**
Farbenwechsel d. Chamäleons 591157 : 59811
- Brünn.**
See Naturforschender.
- Bruhns, C. C.**
Log. tables 51296
- Brumpt, E.**
Parasitologie 59169
- Bruncken, E.**
Forests and moisture 634 : 55157
N. Amer. forests 634(7)
- Brunt, D.**
Observations 5196
- Brush, G. J.**
Determin. mineralogy 54904
- Bryan, G. H.**
Aviation 5336
Thermodynamics 5367
- Bryant, W. H.**
Hist. of astron. 5209
- Buchanan, J. F.**
Alloying 66904
- Buchanan, J. Y.**
Accounts rendered 504
- Buchwald, E.**
Kristalloptik 5489
- Buckland, F.**
Life: Bompas 57092
- Buckler, W.**
Larvæ of Brit. butterflyes 59578(42)
- Buckley, T. E., and Brown, J. A. H.**
Vertebrate fauna of Orkney 596(4112)
- Buckman, S. S.**
Ammonites of "Inf. ool. ser." P.S. 56453(1162 : 42)
- Buckton, G. B.**
Brit. Aphides 59575(42)
Brit. Cicadæ 595753(42)
- Budden, E.**
Pure geom. 5135

BUDGETT—CAMERON

- Budgett, J. S.**
Work of .59081
- Buitenzorg—Jardin botanique.**
Annales .5806(922)
- Bullen, F. T.**
Creatures of sea .5(26)
- Buller, A. H. R.**
Fungi .5892
Wheat .63311
- Bulletin des sciences math.** .5105 B.S.
- Bunge, G. von**
Organ. chem. .54702
- Burali-Forti, C., and Marcolongo, R.**
Calcul. vect. .5168
- Burbidge, F. W.**
Narcissus .584252
- Bureau des longitudes.**
Annuaire .528 B.L.
- Bureau of standards.**
Bulletin .5306(73) B.S.
- Burgeff, H.**
Wurzelpilze d. Orchi-
deen .5812
- Burgess, P. S.**
Soil bacteriology .631 : 5768
- Burkett, C. W.**
Soils .631
- Burkhardt, H.**
Complex variable .5178
Funktionen .5175
- Burnham, S. W.**
Double stars .52389
Proper motion stars .52383
- Burnside, W.**
Groups .51286
- Burnside, W. S., and Pantan, A.**
Theory of equations .51282
- Burrard, Sir S. G.**
Isostasy .5263
- Burrard, Sir S. G., and Hayden,
H. H.**
Himalaya Mts. .55(235)
- Buschan, G.**
Vorgeschichtl. Botanik .6309
- Busk, G.**
Foss. Polyzoa of Crag P.S. .5647(118)
- Buteshire nat. hist. soc.**
Trans. .5706(4139) B.N.
- Butler, A. G.**
Lepidoptera heterocera B.M. .595781
- Butler, E. A.**
Household insects .59166 : 5957
- Butler, S.**
Evolution .575
Life and habit .575
Unconscious memory .5751
- Butterfield, W. J. A.**
Gas manufacture .6657
- Byerley, W. E.**
Fourier's ser. .51735
- Cadbury, R.**
Cocoa .66391
- Cadell, H. M.**
The Forth .5514(413)
Geol. of Sutherland .55(4114)
- Caesalpinus, A.**
De plantis .58
- Cahen, E.**
Théorie des nombres .51281
- Cain, J. C., and Thorpe, J. F.**
Synthetic dyestuffs .6672
- Cajori, F.**
Hist. of elem. math. .5109
Hist. of limits .51709
Hist. of math. .5109
Hist. of physics .5309
- Calcutta—R. bot. garden.**
Annals .5806(541)
- Calderwood, W. L.**
Life of salmon .5975
Salmon rivers .5975(41)
- California earthquake in-
vest. comm.**
Rept. .55122(794)
— University Memoirs
f. .506(794) C.U.
- — — Coll. of Agric.
Agric. exp. station. Bul-
letins .6306(794) B.
Agric. exp. station. Re-
ports .6306(794) R.
- Univ. publ.
Botany .5806(794) C.U.
Geology .5506(794) G.U.
Mathematics .378(794) 06
Zoology .5906(794) C.U.
- Calkins, G. N.**
Biology .5702
Protozoa .5931
- Calman, W. T.**
Marine boring animals
B.M. .591608 ECO. 10
- Calvert, A. F.**
Mineral resources of
Minas Geraes .549(8116)
- Cambridge anthropol. exped.**
Repts. .572(95)
— Brit. flora f. .5819(42) MOS.
— Observ. Observations .5221(42) C.O.
— phil. soc.
Proc. .506 C.P.
Trans. .506 C.T.
- Cameron, J.**
Shorthorns .6362

CAMERON—CASE

- Cameron, P.**
Brit. phytophag. Hy-menoptera .59579(42)
Campagne arctique f. .5(268)
- Campbell, D. H.**
Eusporangiatae .5814
Evolution of plants .58 : 575
Mosses and ferns .586 : 581
- Campbell, D. H., and Williams, F.**
Pallavicinia .5814 : 5883
- Campbell, E. D.**
Chem. lab. of Univ. of Michigan .54072(774)
- Campbell, J. E.**
Groups .51286
- Campbell, N. R.**
Elect. theory .5371
Physics .53021
- Campbell, W. W.**
Stellar motions .52383
- Camus, A., and E. G.**
Saules d'Europe f. .583981(4)
- Camus, E. G.**
Orchidées .58415
- Canada.** See Royal Society.
- Canada.**
Canada's fertile north-land .63(71)
— **Commission of conservation.**
Forest production in Canada .634(71)
— **Dept. of agric.**
Experimental farms.
Repts. .6306(71) E.R.
— **Dept. of mines—Geol. surv.**
Catal. of publ. .5506(71) G.M.C.
Guide books .5506(71) G.G.
Memoirs .5506(71) G.M.
Prospect. Handbk. .5506(71) G.P.
— **Mines.**
Bulletins .5506(71) M.B.
Catal. of publ. .5506(71) M.P.C.
[Publ.] .5506(71) M.P.
Rept. of mineral prod. .5506(71) M.R.
— **Dept. of naval service.**
Currents in St. Lawrence .55147
— **Geol. survey.**
Reports .5506(71) G.R.
— **Meteorol. service.**
Reports .551506(71) M.
— **Munition resources comm.**
Rept. .549(71)
- Candolle, A. de**
Cultivated plants .6309
Hist. des sciences .509
La Phytographie .5807
- Canestrini, G.**
Acarofauna italiana .5954(45)
- Cannon, W. A.**
Botan. features of Sahara .5819(252 : 6)
Chlorophyll apparatus .58113
Root habits .5815
Studies in heredity .5751 : 58142
- Cantor, M.**
Gesch. d. Math. .5109
- Cape of Good Hope—Dept. of mines.**
Geol. comm. Repts. .5506(687)
- Cape of Good Hope Observ.**
Annals .5221(687) C.A.
Meridian observ. .5221(687) C.M.O.
Star cat. .5221(687) C.S.
- Card, F. W.**
Bush-fruits .63414
- Carey, A. E., and Oliver, F. W.**
Tidal lands .55135
- Carmichael, R. D.**
Relativity .5301
- Carnegie, D., and Gladwyn, S. C.**
Liquid steel .66914
- Carnegie Institution.**
Year-book .506(73) C.Y.
— **Dept. of marine**
biol.
Papers .5706(73) C.I.
- Carnelley, T.**
Melting tables f. .5419
- Carpenter, W. B.**
Microscope .578
- Carpenter, W. B., and others.**
Foraminifera f. .59312
- Carrara, G.**
Elektrochemie .54113
- Carrington, W. T., and others.**
Live-stock .636
- Carse, G. A., and Shearer, G.**
Fourier's anal. .51082 EDI.
- Carslaw, H. S.**
Fourier's ser. .51735
Infin. calculus .5171
Non-eucl. geom. .5138
- Carter, H. G.**
Brit. plants .5819(42)
- Caruel, T.**
Epitome flor. Europae .5819(4)
- Carus, J. V.**
Zoologie .5909
- Carus, J. V., and Engelmann, W.**
Bibliotheca zool. .016 : 59
- Carvalho, E.**
Electricité .5371
Probabilités .519
- Case, E. C.**
Amphibia of Permian .567(115 : 7)
Cotylosauria .5681(7)
Pelycosauria .5681(115 : 7)

CASE—CHÉVENEAU

- Case, E. C. (*continued*)—**
 Permo-carb. red beds ·566(115 : 73)
 Vertebrate life in Paleozoic ·566(112 : 7)
- Case, E. C., and others.**
 Permo-carb. vertebrates ·566(115 : 789)
- Case, G. O.**
 Coast sand dunes ·55135
- Casey, J.**
 Analytical geom. ·516
 Sequel to Euclid ·5135
- Cash, J., and Hopkinson, J.**
 Brit. Rhizopoda ·5931(42)
- Cashmore, M.**
 Fermat's theorem ·51281
- Castle, W. E.**
 Heredity in rabbits ·5751 : 59932
 Heredity of coat-characters ·5751 : 59932
 Inheritance in rabbits ·5751 : 6369
 Polydaetylous guinea-pigs *In* ·5751 : 59932
 Reversion in guinea-pigs ·5751 : 59932
- Castle, W. E., and Forbes, A.**
 Heredity of hair-length ·5751 : 59932
- Castle, W. E., and Phillips, J. C.**
 Germinal transplantation ·59116
 Piebald rats ·5751 : 59932
- Castle, W. E., and Wright, S.**
 Inheritance in guinea-pigs ·5751 : 59932
- Castle, W. E., and others.**
 Heredity and eugenics ·5751
- Cauchy, A.**
 Œuvres ·5108
- Caven, R. M.**
 Chem. theory ·5401
- Caven, R. M., and Lander, G. D.**
 Inorgan. chem. ·54602
- Cavers, F.**
 Pract. botany ·5807
- Cayeux, L.**
 Roches sédiment. ·5525
- Cayley, A.**
 Elliptic funct. ·51736
- Centralb. f. Bakteriologie.**
 Abth. II. ·581205 c.
 — f. Mineralogie, etc. ·54905 c.
- Cerulli, V.**
 Marte ·52343
- Cesaro, E.**
 Natürliche Geom. ·5165
- Chaine, J.**
 Développement du lapin ·5913 : 599
- “Challenger.”**
 Report ·5(26)
- Chalmers, T. W.**
 Vegetable oils ·66531
- Chamberlain, C. J.**
 Living cycads ·5859
- Chamberlain, J. S.**
 Organ. agric. chem. ·63 : 54
- Chamberlin, R. T.**
 Gases in rocks ·5521
- Chamberlin, T. C., and Salisbury, R. D.**
 Geology ·5502
- Chamberlin, T. C., and others.**
 Tidal problems ·55146
- Chambers, G. F.**
 Astron. ·523021
- Chambers, R.**
 Sea-margins ·55135
- Chapman, A. C., and Baker, F. G. S.**
 Saccharomycetes *f.* ·58929
- Chapman, F.**
 Foraminifera ·59312
- Chappell, E.**
 Math. tables ·5129
- Chappuis, J., and Berget, A.**
 Physique ·53022
- Charnock, G. F.**
 Graphic statics ·53125
- Charpentier, P.**
 Timber ·634
- Charles, M.**
 Géom. supérieure ·5135
- Chauveau, A.**
 Compar. anat. of domest. animals ·5914 : 636
- Cheeseman, T. F.**
 Illustr. of N. Zealand flora ·5819(931)
 Manual of N. Zealand flora ·5819(931)
- Chemical abstracts**
 — news ·5405 C.A.
 — soc. ·5405 C.N.
- Journ.** ·5406 C.J.
Memoirs and proc. ·5406 C.M.
Proc. ·5406 C.P.
Repts. on progress of chem. ·5406 C.R.
— trade journal ·6605 C.J.
- Chemisches Zentralblatt** ·5405 C.Z.
- Cheney, E. G., and Wentling, J. P.**
 Farm woodlot ·634
- Chesneau, M. G.**
 Anal. chem. ·543
- Chester, A. H.**
 Names of minerals ·54903
- Chester, F. D.**
 Bacteriology ·57683
- Chéveneau, C.**
 Solutions ·535324

CHILD—COMSTOCK

- Child, C. M.**
 Senescence .577
Chilton, C.
 Islands of New Zealand .5(99)
China.
 Research in .5(51)
Chodat, R.
 Algues .58115 : 5893
Cholodovsky, N.
 Coniferen-Läuse Cher-
 mes .595752
Chree, C.
 Terrestrial magn. .5387
Christ, H.
 Farne .5873
 Flore de la Suisse .5819(494)
Christensen, C.
 Index filicum .5873
 Physics .53022
Christoffel, E. B.
 Abhandlungen .5108
Christophers, S. R.
 Anat. of ticks .59542
Chrystal, G.
 Algebra .5121
 Introd. to algebra .5121
Chun, C.
 Aus den Tiefen .5(26)
Church, A. H.
 Chem. of paints .6676
 Floral mechanism . f. .58148
 Phyllotaxis .58145
 Precious stones .5538
Chwolson, O. D.
 Physique .53021
Circolo mat. di Palermo.
 Rendiconti .5106 P.
Claassen, H.
 Beet-sugar .633433
Clark, G. H., and Malte, M. O.
 Fodder plants .6333
Clark, W. M.
 Hydrogen ions .5453
Clarke, C. B.
 Cyperaceae .58484
Clarke, Sir E.
 Hist. of Bd. of Agric. .6309
Clarke, G. A.
 Clouds .55157
Clarke, J. M.
 Fosseis devon. do Parana
 .56(114:8142)
Classen, A.
 Quant. chem. anal. .5453
Claude, G.
 Liquid air . f. .54279
Clayden, A. W.
 Cloud studies .55157
Clayton, W.
 Margarine .660821 MON. 9
Clemens, B.
 Tineina of N. Amer. .595782(7)
Clements, F. E.
 Ecology .5815
 Fungi .5892
 Plant indicators .5815
 Plant succession .5819(237)
Clerke, A. M.
 Astrophysics .52 : 33
 Hist. of astron. .5209
Clerke, E. M.
 Venus .52342
Clibbens, D. A.
 Phase theory .54112
Clifford, W. K.
 Dynamic .5311
 Papers .5108
Clydesdale stud-book .636105 C.S.
Coblentz, W. W.
 Infra-red spectra .5446
 Study of firefly .59577
Cocker, E.
 Arithmetic .5111
Cockle Park, Northumberland.
 County agric. exp. sta-
 t on. Experiments .6306(4282)
Coe, C. C.
 Nature v. nat. selection .5754
Cohen, E.
 Physical chem. .541
Cohen, J. B.
 Organ. chem. .54702
Cohn, A. I.
 Indicators .5455
Cohn, E.
 Raum und Zeit .5301
Cole, G. A. J.
 Pract. geol. .5507
College of surgeons of
 England, R.
 Catal. of specimens .591471 : 596
Collings, J.
 Land reform .63 : 34
Collins, F. S.
 Green algae of N. Amer. .5893(7)
Collins, W. H.
 Gowganda Min. Div. .553(713)
Commerson, P.
 Life : Oliver .58092
Companion to Botanical
 Mag. .5805 B.M.C.
Comptes rendus. See Académie.
Comstock, D. F., and Troland, L. T.
 Nature of matter .5391
Comstock, G. C.
 Least squares .5198

- Conard, H. S.**
 Fern .5873
Congested districts board, Scotland.
 Reports f. 6306(41) C.D.
Congo. See Musée.
Congrès de physique.
 Rapports .5306(44)
 ——— internat. de zoologie
 Nomenclature zoologique .5901
 ——— ——— pour l'étude de la radiologie.
 Comptes rendus .54121
Conklin, E. G.
 Heredity and environ-
 ment .5751
Conn, H. W.
 Agric. bacteriology .63 : 5768
Connaissance des temps .528 C.T.
Connecticut—Agric. exp. station.
 Reports .6306(746) R.
Connold, E. T.
 Plant galls of Gt. Brit. .58122(42)
Conseil pour l'explor. de la
 mer.
 Bulletin planktonique .506(26) C.B.P.
 Bulletin statistique .506(26) C.B.S.
 Bulletins .506(26) C.B.
 Mémoire .506(26) C.M.
 Publications .506(26) C.P.
 Rapports .506(26) C.R.
Conway, A. W.
 Relativity .51082 EDI.
Cook, M. T.
 Diseases of trop. plants .58121(213)
Cooke, M. C.
 Brit. fresh-water algae .5893(42)
 Brit. fungi .5892(42)
 Fresh-water algae f. .5893(28)
 Rust, smut, etc. .5892(42)
 Veget. wasps .5892 : 58169
Cooke, T.
 Flora of Bombay .5819(547)
Coolidge, J. L.
 Circle and sphere .516
 Non-eucl. geom. .5138
Cope, E. D.
 Origin of fittest .57504
Cornevin, C.
 Plantes vénéneuses .58165
 Zootechnie .63602
Cornish, C. J.
 Animals at work .5915
 Naturalist on Thames .5(421)
Cornish, V.
 Waves of sand .55135
Correns, C.
 Vermehrung d. Laub-
 moose .5882
Correns, C., and Goldschmidt, R.
 Vererbung d. Geschlech-
 tes .5751
Cosserat, E., and F.
 Corps déformables .5393
Costantin, J.
 Orchidées .58415
Cotton, A.
 Phénomène de Zeeman .5386
Cotton, A., and Moulin, H.
 U tramicroscopes .53533
Couchman, H. F.
 Pendulum in India .52673(54)
Coues, E.
 Ornithology .598207
Coulter, J. M.
 Sex in plants .581162
Coulter, J. M., and M. C.
 Plant genetics .58 : 575
Coulter, J. M., and Chamberlain, C. J.
 Gymnosperms .5814 : 585
 Spermatophytes .5814 : 582
Coulter, J. M., and others.
 Textbk. of botany .5802
Coutinho, A. X. P.
 Flora de Portugal .5819(469)
Couturat, L.
 Principes de math. .5101
**Coville, F. V., and MacDougal,
 D. T.**
 Desert botan. lab. .58072(764)
Cowan, T. W.
 Bee-keeper's guide book .6381
 Honey bee .59579
Cox, G. H., and others.
 Petroleum geol. .55328
Cox, L. E.
 Plant physiol. .5811
Craib, W. G.
 Flora of Banffshire .5819(4124)
 Flora of Siam. Dicotyled.
 .5819(593)
 ——— Monocotyled. .5819(593)
Craig, E. H. C.
 Oil-finding .55328
Craig, T.
 Diff. equations .51738
Crampton, H. E.
 Genus Partula .5752 : 5943
Cranz, C.
 Ballistik .531
 Vierte Dimension .5138
Crawford, F. C.
 Brit. Carices .58484 : 5814
Crawford, J. H.
 From fox's earth .5919(41)
Crelle, A. L.
 Tables f. .51196
Crelle's Journal .5105 c.

CREMONA—DARWIN

- Cremona, L.**
Graphical statics ·53125
Opere ·5108
Projective geom. ·5135
- Crick, G. C.**
Fossil Cephalopoda B.M. ·5645
- Crivetz, T.**
L'équidistante ·51313
Postulat d'Euclide ·51313
- Croll, J.**
Climate ·55156
Life: Irons ·55092
- Crombie, J. M., and Smith, A. L.**
Monograph of lichens B.M. ·5891(42)
- Crook, T.**
Econ. mineral. ·553
- Crooke, W.**
Natives of N. India ·572(54)
- Crookes, Sir W.**
Chem. anal. ·543
Dyeing ·6672
Wheat problem ·63311
- Cross, C. F., and Bevan, E. J.**
Cellulose ·5811933
- Cross, M. I., and Cole, M. J.**
Microscopy ·578
- Crouan, P. L., and H. M.**
Florule du Finistère ·586(4411)
- Crowther, J. A.**
Ions ·54121
- Cruls, L.**
Eclipses ·5218
- Cullis, C. E.**
Matrices ·51283
- Cumming, A. C., and Kay, S. A.**
Quant. chem. anal. ·545
- Cummings, B. F.**
Bed-bug B.M. ·591608 ECO. 5
Louse B.M. ·591608 ECO. 2
- Cuniasse, L., and Zwilling, R.**
Essais du commerce ·6607
- Cunningham, D. D.**
Bengal ·5(541)
- Cunningham, E.**
Relativity ·5301
- Cunningham, J. T.**
Marketable fishes of Brit. ·597 : 639
- Cunington, S.**
Story of arith. ·51109
- Cunynghame, H. H. S.**
Time and clocks ·5297
- Curie, M. S., Madame.**
Radioactivité ·54121
Substances radioactives ·54121
- Curie, P.**
Œuvres ·53081
- Curtis, C. E.**
Estate management ·63
Forestry ·634
- Curtis, C. E., and Gordon, R. A.**
Agric. tenancies ·63 : 34
- Czapek, F.**
Biochem. d. Pflanzen ·58119
Oberflächenspannung ·581171
- Czuber, E.**
Beobachtungsfehler ·5196
Probabilités ·519
- Dade, H.**
Deuts. Landwirtschaft ·63(43)
- Dahlgren, U., and Kepner, W. A.**
Animal histology ·5918
- D'Albe, E. E. F.**
Electron theory ·54121
- Dall, W. H.**
S. F. Baird ·57092
- Dalla Torre, C. G. de, and Harms, H.**
Genera siphonogama-
rum f. ·582
- Dalton, J.**
Life: Roscoe ·54092
- Daly, R. A.**
Igneous rocks ·5521
- Dalyell, Sir J. G.**
Rare animals of Scot. ·5919(41)
- Dammer, O.**
Anorgan. Chemie ·54602
Handb. d. chem. Tech-
nologie ·6602
Chem. Technologie d.
Neuzeit ·6602
- Dana, E. S.**
App. to D.'s System ·54902
- Dana, E. S., and others.**
Century of science ·509(73)
- Dana, J. D.**
System of minerology ·54902
- Danby, A.**
Rock asphalts ·5532
- Daniell, A.**
Physics ·53022
- Daniels, F. P.**
Flora of Boulder ·5819(788)
- Danske vidensk. selskab.**
Meddelelser ·506(489) C.M.M.
- Darbishire, A. D.**
Breeding ·5751
- Darboux, G.**
Co-ord. curvilignes ·51726
Surfaces ·51726
- Darboux, G., and Houard, C.**
Galles de Cynipides ·58122
- Darwin, C.**
Cirripedia ·59535
Climbing plants ·58118

DARWIN—DE MORGAN

Darwin, C. (continued)—

Coral reefs	•55196
Descent of man	•575
Fertilisation	•58116
Forms of flowers	•58115
Foss. Balanidæ	P.S. •56535(42)
Foss. Lepadidæ	P.S. •56535(42)
Geol. obs. on S. Amer.	•55(8)
Insectiv. plants	•58113
Journal	5(∞)
Life: Geikie	•55092
Memorials	B.M. •57092
Origin of species	•575
Variation of animals	•5752
Vegetable mould	•59162
Volcanic islands	•55121
Darwin, C., and F.	
Movement in plants	•58118
Darwin-Wallace celebration.	
<i>See</i> Linnean soc. of Lond.	
Darwin, F., and Acton, E. H.	
Physiol. of plants	•5811
Darwin, Sir G. H.	
Papers	•52081
Tides	•5256
Daubrée, A.	
Géol. expériment.	•55104
Daubrée, L.	
Forêts de France	f. •634(44)
Davenport, C. B.	
Experiment. morpho-	
logy	•591407
The Feebly inhibited	•5751 : 136
Heredity	•5751
Heredity of skin color	•5751 : 61177
Inheritance in canaries	•5751 : 6366
Inheritance in domestic	
fowl	•5751 : 63651
Inheritance in poultry	•5751 : 63651
Naval officers	•5751 : 92
Davenport, E.	
Breeding	•63602
Davidge, H. T., and Hutchinson, R. W.	
Technical elect.	•5878
Davidson, J. B., and Chase, L. W.	
Farm machinery	•6317
Davidson, T.	
Brit. foss. Brachiopoda	P.S. •5648(42)
Davis, A.	
Nat. hist. of animals	•5902
Davis, J. B., and Thurnam, J.	
Crania Britannica	f. •5737(42)
Davis, J. R. A.	
Science	•5082
Davis, P. B.	
Solution	•5418
Davis, W. M.	
Geog. essays	•5514

Davison, C.

Algebra	•5121
Diff. calc.	•5172
Davy, H.	
[Life]: Guye	•54092
Life: Thorpe	•54092
Davy, J. B.	
Maize	•633151
Davy, W. M., and Farnham, C. M.	
Ore minerals	•54904
Dawkins, W. B.	
Early man	•571(42)
Dawkins, W. B., and Sanford, W. A.	
Brit. pleist. Mammalia	P.S. •569(119:42)
Dawson, E. R.	
Sex in man	•5778
Dawson, Sir J. W.	
Fossil men	•571
Geol. hist. of plants	•561
Day, A. L.	
Isomorphism	•54904
Day, A. L., and Sosman, R. B.	
Gas thermometry	•536511
Day, F.	
Fishes of Gt. Brit. and	
Ireland	•597(42)
Dean, B.	
Chimæroid fishes	•5973
Fishes	•597
Decker, F. F.	
Tables	P. 5. 5
Décombe, L.	
Célérité de l'éther	•53522
Gaz réels	•53323
Dedekind, R.	
Theory of numbers	•51281
Dehaut, E. G.	
Vie vertébrée	•596(22)
Deherain, P. P.	
Chimie agric.	•63 : 54
De Horsey, Sir A. F.	
Draysonia	•52535
Delacroix, G.	
Maladies des plantes	•632
Pathol. végétale	•58121
Delage, Y.	
L'Hérédité	•5751
Delambre, J. B. J.	
Astron. ancienne	•5209
— du moyen âge	•5209
— moderne	•5209
— an 18 siècle	•5209
De Man, J. G.	
Nematoden	f. •59513(492)
De Morgan, A.	
Arith. books	016 : 511
Budget of paradoxes	•51079

- De Morgan, A. (continued)**—
 Illustr. of calculus .5171
 Memoir .92 : 51
 Probabilities .519
 Study of math. .5107
- De Morgan, E.**
 Augustus De Morgan .92 : 51
- Denaiffe and Sirodot.**
 Avoine .63314
- Dendy, A.**
 Animal life .5704
- Deniker, J.**
 Races of man .572
- Department of agric. and
 tech. instruction for
 Ireland**
 Ireland .63(415)
 Journ. .6306(415) J.
 Reports .6306(415) B.
 Sea and inland fisheries.
 Reports .59706(415)
- Desch, C. H.**
 Intermetallic compounds
 .540821 MON. 4
 Metallography .5463
- Deschanel, A. P.**
 Natural philosophy .53022
- Detlefsen, J. A.**
 Genetic studies .5751 : 59932
- Detmoor, J., and others.**
 Evolution by atrophy .5757
- De Tunzelmann, G. W.**
 Elect. theory .5371
- Deuts. botan. Gesellsch.**
 Berichte .5806(43)
 — chem. Gesellsch.
 Berichte .5406(43)
 Literatur - Register d.
 organ. Chemie Ref. .54703 RIC. 3
- Deventer, C. M. van.**
 Physical chem. .541
- Dewar, D., and Finn, F.**
 Making of species .575
- Dickie, G.**
 Botanist's guide .5819(4125)
 Trees of Aberdeenshire .634(4125)
- Dixon, A. C.**
 Elliptic funct. .51736
- Dixon, E. T.**
 Foundations of geom. .51301
- Dickson, L. E.**
 Groups .51286
 Linear algebras .5168
 Theory of numbers .51281
- Diels, L.**
 Ersatzstoffe .5816
- Dietrich, T., and König, J.**
 Futtermittel .6333
- Direction gén. de l'organ.
 agraire et de l'agric.
 Travaux des commis-
 sions f. .6309(47)**
- Distant, W. L.**
 Homoptera B.M. .595753
 Transvaal .5(682)
- Dixon, C.**
 Bird-life of London .5982(421)
 Birds in northern shires .5982(42)
 Game birds of Brit. Is. .5982(42)
 Song birds .5982(42)
- Dixon, H. H.**
 Transpiration in plants .581116
- Dixon, J. H.**
 Gairloch .5(4116)
- Dobbin, L., and Walker, J.**
 Chem. theory .5401
- Dobell, C.**
 Amoebae .5931
- Dodgson, C. L.**
 Euclid and mod. rivals .51307
 Parallels .51313
 Pillow problems .51079
- Doffein, F.**
 Problem d. Todes .5777
 Protozoenkunde .59167 : 5931
- Dolbear, A. E.**
 Matter .5301
- Dolezalek, F.**
 Lead accumulator .537842
- Donaldson, H. H.**
 Rat .59148 : 59932
- Doncaster, L.**
 Cytology .5763
 Determination of sex .5778
- Dop, P., and Gautié, A.**
 Technique botanique .5818
- Douglas, C., and A.**
 Shetland pony .6361
- Douglas, D.**
 Life: Wilson .58092
- Douglas, J. W., and Scott, J.**
 Brit. Hemiptera .595754(42)
- Douglass, A. E.**
 Climatic cycles .581143
- Drapers' Company re-
 search memoirs** .5706 D.C.
- Dresser, H. E.**
 Eggs of birds of Europe f. .5982(4)
- Drew, W. H.**
 Geom. conics .51322
- Dreyer, G., and Hanson, G. F.**
 Physical fitness .5736
- Dreyer, J. L. E.**
 Planetary systems .5209

- Driesch, H.**
 Die Biologie ·5704
 Lokal. morph. Vor-
 gänge ·5704
 Naturbegriffe ·5704
 Organ. Entwicklung ·5704
 — Regulat. ·5704
 Science of organism ·5701
 Die Seele ·5704
 Vitalismus ·5701
- Dron, R. W.**
 Coal-fields of Scot. ·5532(41)
- Druce, G. C.**
 Brit. plants ·5819(42)
 Dillenian herbaria ·58
- Drude, O.**
 Pflanzengeographie ·5819
- Drude, P.**
 Optics ·5351
- Drummond, J.**
 New Zealand ·5(931)
- Dublin Soc., Royal.**
 History by Berry ·506 D.B.
 Scient. proc. ·506 D.P.
 Scient. trans. ·506 D.T.
- Univ.
 Astron. observ. ·5221(415) D.A.
- Du Bois, H.**
 Magnetic circuit ·53826
- Du Bois-Reymond, E.**
 Muskel- u. Nerven-
 physik ·5773
- Du Chaillu, P.**
 Great forest ·5919(6)
- Duckworth, W. L. H.**
 Morphology ·5914
 Stud. from Anthropol.
 Lab. ·57204
- Duclaux, E.**
 Laiterie ·637
 Microbiologie ·5768
- Dudgeon, G. C.**
 Agric. products of Brit.
 W. Africa ·63340821 imp. 1
- Dudley, W. R.**
 Memorial volume ·58092
- Duhem, P.**
 Electricité ·537021
 Le Mixte ·5401
 Statique ·531209
 Théorie de Platon ·5301
 Théories électriques ·5371
- Duhem, P.**
 Thermodynamics ·54111
 Thermodynamique ·5367
- Dumfriesshire and Galloway nat. hist.**
 soc.
 Trans. and journ. of proc. ·5706(4148)
- Duncan, P. M.**
 Brit. foss. corals P.S. ·5636(42)
- Dunecht observ.**
 Publications ·5221(41) D. .
- Dunk, J. L.**
 Hyperacoustics ·78122
- Dunkerley, S.**
 Hydraulics ·5328
- Dunn, S. T., and Tutchter, W. J.**
 Flora of Kwangtung ·5819(512)
- Dunstan, A. E., and Thole, F. B.**
 Viscosity of liquids ·540821 MON. 5
- Duplessis, J.**
 Arpentage ·5269
- Durand, T.**
 Index generum phane-
 rog. ·58203
- Durand, W. F.**
 Screw propeller ·621124
- Durège, H.**
 Complex variable ·5178
- Dwerryhouse, A. R.**
 Geol. maps ·5518
- Dyer, B., and Shrivell,* F. W. E.**
 Manuring of garden
 crops ·6316
- Dziobek, O.**
 Planetary motions ·5214
- East, E. M., and Jones, D. F.**
 Inbreeding ·570821 MON. 4
- Eckel, E. C.**
 Building stones ·5535
- Ecker, A.**
 Anat. of frog ·5914 : 5978
- Eddington, A. S.**
 Relativity ·5301
 Space, time ·5301
- Edgeworth, M. P.**
 Pollen ·581312
- Edinburgh. See Royal Society.**
 — field nat. and microscop. soc.
 Trans. ·5706(4144) E.F.
 — geol. soc.
 Trans. ·5506(4144)
 — math. soc.
 Proc. ·5106 E.
 — math. tracts ·51082
 — Royal observ.
 Annals ·5221(41) E.A.
 Observations ·5221(41) E.O.
- Edser, E.**
 Heat ·53602
 Light ·53502
 Properties of matter ·5391
- Edwards, F. E., and Wood, S. V.**
 Eocene Cephalopoda
 P.S. ·5645(1181 : 42)

EDWARDS—EVELYN

- Edwards, F. W.**
 Mosquitoes B.M. 591603 Eco. 4.
Edwards, H. M., and Haime, J.
 Brit. foss. corals P.S. 5636(42)
Edwards, J.
 Hemiptera-homoptera of
 Brit. Is. 595753(42)
Edwards, J.
 Diff. calc. 5172
 Int. calc. 5173
Effront, J.
 Enzymes 66311
Ehlers, E.
 Borstenwürmer 59516
Ehrlich, P.
 Mikroskop. Technik 57803
Eichhorn, G.
 Wireless telegraphy 53788
Eichler, A. W.
 Blüthendiagramme 582 : 59148
Eigenmann, C. H.
 Cave vertebrates 596(24 : 7)
Einstein, A.
 Relativity 5301
Eisenberg, J.
 Bakteriolog. Diagnostik 57681
Eisenhart, L. P.
 Diff. geom. 51726
Elbs, K.
 Kohlenstoff-Verbind. 547
Elektrochem. Zeitsch. 5405 E Z.
Ellenberger W.
 Mikros. Anat. d. Haus-
 tiere. 5914 : 636
Ellenberger, W., and Scheunert, A.
 Physiol. d. Haussänge-
 tiere 5911 : 636
Elles, G. C., and Wood, E. M. R.
 Brit. graptolites P.S. 5637(42)
Elliot, D. G.
 Mammals of Middle
 Amer. 599(72)
 N. Amer. shore birds 5982(7)
Elliot, G. F. S.
 Fauna of Clyde area 5919(414)
 Mid-Africa 5(674)
Elliot, R. H.
 Agric. changes 6309
Elliott, E. B.
 Quantics 51287
Ellis, C.
 Hydrogenation of oils 665 : 54112
Ellis, D.
 Bacteriology 63 : 5768
 Iron bacteria 5768 : 5467
Ellis, R. L.
 Math. writings 5108
Elsden, J. V.
 Chem. geol. 55194
- Elwes, H. J., and Henry, A.**
 Trees of Gt. Brit. and
 Ireland f. 634(42)
Embryol. Inst. d. K. K. Univ. Wien.
 Mittheilungen 591306(4361)
Emerson, F. V.
 Agric. geol. 63 : 55
Emerton, J. H.
 Spiders of United
 States 5954(73)
Emtage, W. T. A.
 Mechanics 531023
Encyclopädie d. math.
 Wissensch. 5102
Encyclopédie agricole. 630821
Engel, F., and Stackel, P.
 Nicht-eukl. Geom. 5138
Engineering 6205 E.
Engelmann, W.
 Bibliotheca hist.-nat. 016 : 59
Engler, A.
 Pflanzenfamilien 58
 Pflanzenreich 58
Engler, A., and Prantl, K.
 Pflanzenfamilien 58
Enriquez, F.
 Problems of science 501
Entomologist 595705 E.
Entomologist's annual 595705 E.A.
 — monthly mag. 595705 E.M.
Ergebnisse u. Fortschritte
 d. Zool. 5905 E.F.
Errera, L.
 Œuvres 58081
Estabrook, A. H.
 The Jukes 5757
Etheridge, R.
 Fossils of Brit. Is. 56(42)
Etheridge, R., and Carpenter, P. H.
 Blastoides B.M. 56391
Euclid.
 Elements 5131
 Opera [Gr. Lat.] 880821
Euler, L.
 Opera 5108
Europe.
 Catalogue des poissons 597(4)
 Carte géol. internat. 55084(4)
Evans, A. H.
 Fauna of Tweed area 596(414)
 Turner on birds 598204 TUR.
Evans, A. H., and Buckley, T. E.
 Vertebrate fauna of
 Shetland 596(4111)
Evans, J. C.
 Physico-chem. tables 5419
Evelyn, J.
 Sylva 634

EVERETT—FLETCHER

- Everett, J. D.**
Electricity .537022
Heat .53602
Sound and light .53402
- Ewart, A. J., and Davies, O. B.**
Flora of N. Territory .5819(94)
- Ewart, A. J., and Tovey, J. R.**
Weeds, etc., of Victoria .6325(945)
- Ewell, A. W.**
Physical chem. .541
- Ewing, Sir J. A.**
Steam engine .6211022
Mechanical production
of cold .6215
Strength of materials .6201
- Ewing, P.**
Glasg. catal. of plants .5819(41)
- Experiment station re-**
cord .6306(73) EX.R.
- Eyre, J. W. H.**
Bacteriolog. technique .57681
- Faber, H.**
Danish agric. .63(489)
Forage crops .6333(489)
- Fabre, J. H.**
Insect life .5915 : 5957
Life: Legros .59092
Life of fly .59577
Life of spider .5954
Social life in insect
world .595704
Souvenirs entomolo-
giques .5915 : 5957
- Fabry, E.**
Math. générales .5102
- Faes, H.**
Maladies des plantes .632
- Fahie, J. J.**
Wireless telegraphy .53788
- Fairchild, G. T.**
Rural wealth .63 : 338
- Falconer, J. D.**
Geol. of N. Nigeria .55(669)
- Faraday soc.**
Proc. .5406 F.P.
Trans. .5406 F.T.
- Farmer, J. B.**
Study of botany .5804
- Farøe Isles.**
Botany .5819(491)
- Farrell, J. H.**
Field geol. .5507
- Faust, E. S.**
Tierischen Gifte .591145
- Favaro, G.**
Cuore dei vertebrati .591412
- Fawcett, W., and Rendle, A. B.**
Flora of Jamaica B.M. .5819(7292)
- Fehling, H.**
Handwörterbuch
d. Chemie .5403
- Félix, J.**
Mineraux f. .54902
- Fenton, H. J. H.**
Chemistry .5402
- Fermat, P. de.**
Œuvres .5108
- Ferrel, W.**
Winds .55151
- Ferrers, N. M.**
Trilinear co-ord. .51651
- Finch, V. C., and Baker, O. E.**
World's agric. .63(∞)
- Findlay, A.**
Chem. in service of man .5404
Osmotic pressure .53272
————— .540821 MON. 3^a
Phase rule .54112
Physical chem. .541
Treasures of coal-tar .66873
- Fink, K.**
Hist. of math. .5109
- Fischer, A.**
Bakterien .5768
- Fischer, E.**
Aminosäuren .547786
Organ. compounds .54707
- Fishberg, M.**
The Jews .572(∞)
- Fisher, A. T.**
Outdoor life .5(42)
- Fisher, O.**
Phys. of earth's crust .55113
- Fishery board for Scotland.**
Reports .59706(41)
Salmon fisheries .59706(41)
Scientific investigations .59706(41)
- Fitch, W. H., and Smith, W. G.**
Brit. flora .5819(42)
- Fitzgerald, G. F.**
Writings .53081
- Fitzsimons, F. W.**
Nat. hist. of S. Africa .5919(68)
- Fitzwygram, Sir F. W.**
Horses .6191
- Fleischmann, W.**
Dairy .637
- Flemer, J. A.**
Photomier. methods .52691
- Fleming, J. A.**
Current transformer .53855
Electric currents .53781
—— wave teleg. .53788
Thermionic valve .53788
- Fletcher, L.**
Meteorites B.M. .5526
Rocks B.M. .552

FLETCHER—FRICKE

- Fletcher, S. W.
Soils .631
Flora .5805 F.
Flower, Sir W. H.
Museums .59074
Osteology of Mammalia .591471 : 599
Flower, Sir W. H., and Lydekker, R.
Mammals .599
Fock, A.
Crystallography .548
Folsom, J. W.
Entomology .5957 : 591
Foord, A. H.
Carbon. Cephalopoda P.S. 5645(115 : 415)
Foord, A. H., and Crick, G. C.
Fossil Cephalopoda B.M. 5645
Forbes, A. C.
Brit. forestry .634(42)
English estate forestry .634(42)
Forbes, E.
Brit. Medusæ f. 5937(42)
Echinoderm. of Brit. territories P.S. 5639(118 : 42)
Forbes, E. B., and Keith, M. H.
Phosphorus compounds .63 : 54
Forbes, G.
David Gill .92 : 52
Forbes, H. O.
Sokotra .5(6772)
Forbes, J. D.
Alps of Savoy .55131(494)
Glaciers .55131
Ford, L. R.
Automorph. functions .51082 EDI.
Ford, W. B.
Divergent series .51721
Forestry Commission.
Brit. Empire forestry conference. Proc. 63406 F.C.
Forstlich-naturwissensch. Zeitsch. .5805 F.Z.
Forstwissensch. Centralblatt .63405 F.C.
Forsyth, A. R.
Complex variable .5178
Diff. equations .51738
Differential geom. .5164
Theory of diff. equations .51738
Fortschritte d. Math. .5105 J.
— d. Physik .5305 F.P.
— d. Teerfarbenfabrikation .6605 F.T.
Foster, G. C., and Porter, A. N.
Elect. and magn. .537023
Foster, M., and Balfour, F. M.
Embryology .591302
Fothergill, G. A.
Gift to the State f. 6361
Foucault.
Travaux .53081
Fourier, J. B. J., baron.
Œuvres .5108
Theory of heat .5361
Fourrey, E.
Curiosités géom. .51079
Fowler, R. H.
Diff. geom. .51724
Fowler, W. W.
Coleoptera of Brit. Is. .59576(42)
Fox, T.
Wild flowers .5319(42)
Fränkel, S.
Descript. Biochemie .547 : 57
"Fram."
Report .5(268)
France.
Terrains en montagne .631(23)
Frankland, E.
Water anal. .5433
Frankland, F.
Story of Euclid .51309
Frankland, W. B.
Parallelism .51313
Franklin, B.
Works .53081
Fraps, G. S.
Agric. chem. .63 : 54
Fream, W.
Agriculture .6302
Soils .631
Fregie, G.
Function .5175
French, J. W.
Power generators .62108
French science.
Science franç. .5(44)
Fresnel.
Œuvres .53081
Freudenreich, E. von.
Dairy bacteriology .637 : 5768
Freund, I.
Basis of chem. .5407
Chem. composition .541
Freundler, P.
Stéréochimie .5416
Freundler, P., and Marquis, R.
Chimie organ. .54702
Freundlich, E.
Einstein's theory .5301
Freundlich, H.
Kapillarchemie .54114
Fricke, R.
Vorlesungen .5175

FRIEDBERGER—GELIN

- Friedberger, F., and Fröhner, E.**
 Pathol. u. Therap. d. Haustiere ·619
- Friedlaender, C.**
 Mikroskop. Technik ·5786
- Friend, J. N.**
 Corrosion of iron ·6691
 Valency ·5412
- Fries, B.**
 Scandinavian fishes *f.* ·597(48)
- Fritch, F. E., and Salisbury, E. J.**
 Structure of plants ·5804
 Study of plants ·5804
- Frobenius, L.**
 Childhood of man ·572
- Frohawck, F. W.**
 Birds B.M. ·591608 ECO. 9
- Frost, P.**
 Curve tracing ·5162
 Solid geom. ·5163
- Früh, J., and Schröter, C.**
 Moore d. Schweiz ·551481(494)
- Fruwirth, C.**
 Züchtung d. Kulturpflanzen ·633
- Fry, H. S.**
 Electronic concept on of valence ·540821 MON. 9
- Fryer, A., and Bennett, A.**
 Potamogetons of Brit. Is. *f.* ·584743(42)
- Fuchsius, L.**
 De hist. stirp. com. ·58
- Fuhrmann, F.**
 Technische Mykologie ·57683
- Gadeau de Kerville, H.**
 Cécidozoaires ·58122
- Gadow, H.**
 Northern Spain ·5(46)
- Gage, S. H.**
 Microscope ·578
- Gager, C. S.**
 Fundamentals of botany ·5802
- Gahan, C. J.**
 Furniture beetles B.M. ·591608 ECO. 11
- Galilei, G.**
 Opere ·52081
- Galois, E.**
 Œuvres ·5108
- Galton, F.**
 Finger prints ·5736
 Life: Pearson ·57092
- Galvayne, S.**
 XXth century book on the horse ·6361
- Ganong, W. F.**
 Plant physiol. ·5811
 Teaching botanist ·5807
- Ganot, A.**
 Physics ·53022
- Garçon, J.**
 Chimie ·5402
- Gardener's chronicle** ·63505 G.C.
- Gardiner, J. S.**
 Fauna of Maldivé Archipel. ·5919(5488)
- Gardner, J. S., and Ettinghausen, C. B.**
 Brit. eocene flora P.S. ·561(1181:42)
- Gaskell, W. H.**
 Origin of vertebrates ·5914:596
- Gattermann, L.**
 Organ. chem. ·547
- Gatty, Mrs. A.**
 Sundials ·52978
- Gauss, C. F.**
 Curved surfaces ·51727
 Recherches arithm. ·51104
 Werke ·5108
- Gautier, A.**
 Chimie biol. ·547:57
- Geddes, A. E. M.**
 Meteorology ·551502
- Geddes, P., and Thomson, J. A.**
 Evolution of sex ·5778
- Geddes, Sir W. D.**
 Curiosities of arith. A
- Gedoelst, L.**
 Champignons ·58124
- Gegenbaur, C.**
 Compar. anat. ·591402
- Geikie, Sir A.**
 Class-book of geol. ·5502
 Darwin ·55092
 Field geol. ·5507
 Geol. sketches ·5504
 Royal soc. ·506 Lo.T.
 Scenery of Scot. ·55(41)
 Text-book of geol. ·5502
 Types of scenery ·5504
 Volcanoes of Gt. Brit. ·55121(42)
- Geikie, J.**
 Antiquity of man ·571(4)
 Earth lore ·5504
 Field geol. ·5507
 Ice age ·55179
 Life: Newbigin and Flett ·55092
 Mountains ·55143
 Outlines of geol. ·5502
 Prehist. Europe ·55(4)
- Gelin, E.**
 Arithmétique ·5111

GEMMILL—GORE

- Gemmill, J. F.**
Teratology of fishes f. 597 : 5912
- Gentsch, W.**
Steam turbines 62111
- Geol. assoc.**
Proc. 5506 G.A.
— mag. 5505 M.
— soc. of Glasg. 5506(4143) MAC.
History Trans. 5506(4143)
— soc. of Lond.
Centenary 5506 G.J.C.
Geol. lit. 5506 G.J.
History 5506 GE. W.
Proc. 5506 G.J.
Quart. journ. 5506 G.J.
Trans. 5506 G.T.
— survey
Memoirs 5506(42)
Memoirs. Palæont. 5606(42)
- Gerard, E.**
Electrotraction 62133
- Gerarde, J.**
The Herbal 58
- Gerhardt, P.**
Deuts. Dünenbaues 55135(43)
- Gerth van Wijk, H. L.**
Plantnames 5803
- Gesellsch. zu Göttingen.**
Nachrichten 063 G.N.M.
- Getman, F. H.**
Theoret. chem. 541
- Gibb, D.**
Interpolation 51082 EDI.
- Gibbs, J. W.**
Diagrammes therm. 53671
Foundations of therm. 536762
Papers 53081
Vector anal. 5168
- Gibson, C. R.**
Scient. ideas 504
- Gibson, G. A.**
Calculus 5171
- Gibson, G. A., and Pinkerton, P.**
Analyt. geom. 516
- Gibson, R. J. H.**
Hist. of botany 5809
- Gibson, W.**
Coal in Gt. Brit. 5532(42)
- Gilbey, Sir W.**
Great horse 6361
- Giles, G. M.**
Gnats or mosquitoes 59577
- Gillanders, A. T.**
Forest entomology 634 : 5957
- Ginzel, F. K.**
Chronologie 52902
- Gissing, F. T.**
Peat industry 66 641
- Gladstone, H. S.**
Birds of Dumfri sshire 5982(4148)
- Glasgow and W. of Scot. tech. coll.**
Agric. Depart. Repts.
on manuring, etc. 63161(414)
— naturalist 5706(4 43) N.H.
— Phil. soc., Royal.
Proc. 062 G.P.
— Univ.—Geol. Dept.
Papers 5506(4143) G.U.
— Observ.
Catalogues 5521(41) G.
- Glazebrook, Sir R. T.**
Clerk Maxwell 92 : 53
Elect. and magn. 537023
Heat 53602
Light 53502
Mechanics 531022
Physical optics 5354
- Glazebrook, Sir R. T., and Shaw, Sir W. N.**
Practical physics 5307
- Glück, H.**
Wasser- u. Sumpfwachse 5814(28)
- Gmelin, L., and Kraut, K.**
Anorgan. Chemie 54602
- Goebel, K.**
Organography of plants 5814
- Goesel, J. G.**
Minerals 54904
- Göttingen. See Gesellschaft.**
- Goldmann, E. E.**
Sekretion 591176
- Goldschmidt, V.**
Krystallformen 54803
Krystallformen f. 548084
- Goldschmidt, V. M.**
Kontaktmetamorphose 5524(482)
- Goodale, H. D.**
Gonadectomy 591156
- Goodchild, W.**
Precious stones 5538
- Goode, G. B.**
Fisheries of United States 6392(73)
- Goppelsroeder, F.**
Capillar-Untersuch. 545 : 5326
- Gordon, S. P.**
Birds of loch and mountain 5982(41)
Charm of hills 5(41)
Hill birds of Scot. 5982(41)
Land of hills 5(41)
- Gordon, W. J.**
Brit. grasses 6333141(42)
- Gore, J. E.**
Studies 5204
Worlds 5204

GOSS—GREGORY

- Goss, W. F. M.**
 High steam pressures ·6211343
 Superheated steam ·62113
- Gosse, E.**
 Naturalist of sea-shore ·59092
- Gosse, P. H.**
 Birds of Jamaica ·5892(7292)
 Life: Gosse ·59092
- Goubaux, A., and Barrier, G.**
 Exterior of horse ·6361
- Gould, S. B.**
 Cliff castles ·5718(4)
- Goulding, E.**
 Cotton ·63340821 IMP. 3
- Goursat, E.**
 Intég. des équations ·51738
 Math. anal. ·5171
- Gow, J.**
 Greek math. ·5109
- Goyen, P.**
 Arithmetic ·5111
- Grabau, A. W.**
 Non-metall. min. dep. ·553
 Stratigraphy ·5517
- Grabau, A. W., and Shimer, H. W.**
 N. Amer. index fossils ·562(7)
- Grace, J. H.**
 Invariants ·51288
- Graebner, P.**
 Pflanzengeographie ·5819
- Graf, J. H., and Gubler, E.**
 Besselsch. Funkt. ·51735
- Graff, L. von.**
 Monogr. d. Turbellarien
 f. ·595123
 Turbellarien als Parasiten
 f. ·595123
- Gráham, H. D.**
 Birds of Iona ·5982(4117)
- Grandeau, L.**
 Analyse des matières agric. ·63 : 54
- Grant, Sir A.**
 Obstacles to improvement of land ·6304
- Grant, R.**
 Hist. of astron. ·5209
- Grant, W. R. O.**
 Guide to birds B.M. ·5982
- Granville, W. A.**
 Diff. and int. calc. ·5171
- Grassmann, H.**
 Werke ·5108
- Graves, H. S.**
 Forest mensuration ·634
- Graves, R. P.**
 Sir W. R. Hamilton ·92 : 51
- Gray, A.**
 Absolute measurements ·53772
 Gyrostatics ·53134
 Magnetism and elect. ·537021
 Physics ·53021
- Gray, A., and J. G.**
 Dynamics ·5313
- Gray, A., and Matthews, G. B.**
 Bessel functions ·51735
- Gray, A.**
 Darwiniana ·57504
 Flora of N. Amer. ·5819(7)
- Gray, A. A.**
 Labyrinth of animals ·591485 : 596
- Gray, F. W.**
 Physical chem. ·541
- Gray, J. E.**
 Ruminant Mammalia B.M. ·599735
- Gray, R.**
 Birds of Scot. ·5982(4117)
- Great Britain and Ireland.** *See Anthropological Inst.*
- Green, A. H.**
 Phys. geol. ·55102
- Green, C. E., and Young, D.**
 Encyclopædia of agric. *Ref.* ·6303
- Green, F. E.**
 English agric. labourer ·6309(42)
- Green, G.**
 Papers ·53081
- Green, J. R.**
 Botany in U.K. ·5809(42)
 Hist. of botany ·5809
 Soluble ferments ·6631 : 5899
- Greene, W. T.**
 Feathered friends ·5982
- Greenhill, Sir G.**
 Diff. and int. calc. ·5171
 Dynamics ·5313
 Elliptic funct. ·51736
 Hydrostatics ·5321
- Greenland.**
 Meddelelser ·5(98)
- Greenwich Observ.**
 Astr. catalogue ·5221(42) G.A.
 Observations ·5221(42) G.O.
- Greenwood, H. C.**
 Industrial gases ·665
- Gregory, D.**
 Astron. elementa ·521022
 Catopt. et diopt. Λ^2
 Practical geometry ·515
- Gregory, D. F.**
 Math. writings ·5108
- Gregory, Mrs. E. S.**
 Brit. violets ·583135(42)
- Gregory, J.**
 Exercit. geom. Λ^2
 Optica promota Λ^2

GREGORY—HALE

- Gregory, J. W.**
 Cretaceous Bryozoa B.M. 5647(117)
 Fiords 551104
 Jurassic Bryozoa B.M. 5647(1162)
- Gregory, Sir R.**
 Discovery 504
- Gregory, R. A., and Simmonds, A. T.**
 Exercises 5307
 Physics 5307
- Gresswell, G.**
 Diseases of ox 6192
- Greville, R. K.**
 Flora Edinensis 5819(4144)
 Scott. cryptogam. flora 586(41)
- Grew, N.**
 Anat. of plants 5814
- Griffith, J. W., and Henfrey, A.**
 Micrographic dict. 57803
- Griffiths, A. B.**
 Physiol. of Invertebrata 5911 : 592
- Grigor, J.**
 Arboriculture 634
- Grimmer, W.**
 Chemie d. Milch 637
- Grimthorpe, Lord.**
 Astr. without math. 523022
- Gronau, K. T. E.**
 Parallelenproblem 51313
- Groos, K.**
 Play of animals 5915
- Grosser, O.**
 Vergleich. Anat. d. Eihäute 5913
- Grossmann, J.**
 Ammonia 54744
- Grotenfelt, G.**
 Dairy practice 637
- Groth, P.**
 Crystals 54802
 Physikal. Krystallographie 54802
- Grouse disease committee.**
 Grouse in health and dis ase 5986(42)
- Grove, W. B.**
 Brit. rust fungi 589225(42)
- Groves, C. E., and Thorp, W.**
 Chem. technology Ref. 6602
- Groves, J., and Webster, G. R. B.**
 Brit. Charophyta 586(42)
- Grubenmann, U.**
 Kristall. Schiefer 55244
- Guède, H.**
 La Géologie 5502
- Guenaux, G.**
 Entomologie agric. 63 : 59145
- Günther, A.**
 Batrachia salientia B.M. 5978
 Colubrine snakes B.M. 59812
- Fishes** B.M. 597
Reptiles of India f. 5981(54)
Study of fishes 59702
Tortoises B.M. 59813
- Günther, C.**
 Bakteriologie 57681
- Guinard, L.**
 Tératologie 591159
- Guldberg, C. M., and Waage, P.**
 Affinités chim. 5413
- Guppy, H. B.**
 Observations 5(265)
 Plants in W. Indies 5819(729)
 Seeds and fruits 5813
 Solomon Islands 5(935)
- Guye, P. A.**
 Humphry Davy 54092
- Gylden, J. A. H.**
 Orbites absolues 5215
- Haber, F.**
 Thermodynamics 54111
- Haberlandt, G.**
 Lichtsinnesorgane 5811833
 Physiol. plant anat. 5811
- Hadamard, J.**
 Calc. des variations 5174
 Ondes 53259
 Série de Taylor 5124
- Haddon, A. C.**
 Study of man 572
- Hadfield, E.**
 Natives of Loyalty group 572(933)
- Hadley, H. E.**
 Magn. and elect. 537022
- Haeckel, E.**
 Evolution 575
 Evolution of man 575
 Hist. of creation 575
 Kunstformen d. Natur f. 57 : 7
 Riddle of universe 575
 Wonders of life 5701
- Hagen, B.**
 Heads of E. Asiatic peoples 572(59)
- Haggard, Sir H. R.**
 Farmer's year 6304
 Rural Denmark 63(489)
 Rural England 63(42)
- Hagström, J. O.**
 Potamogetons f. 584743
- Haines, A. H., and Daniel, A. F. H.**
 Surveying 6317
- Hale, A. J.**
 Electrolysis 660821 MON. 2
- Hale, G. E.**
 Stellar evolution 5238

HALE—HAUG

- Hale, G. E., and Fox, P.**
Sun's period ·52373
- Hall, A. D.**
Feeding of crops ·6316
Fertilizers ·6316
Soil ·631
- Hall, H. S., and Knight, S. R.**
Algebra ·5121
- Hall, J., and Clarke, J. M.**
Brachiopoda ·5648
- Hall, W.**
Navigation ·527
- Haller, A. von.**
Bibliotheca botan. ·58091
— Index: J. C. Bay ·58091
- Halliburton, W. D.**
Biochem. of muscle ·5771
- Halphen, G. H.**
Functions ellipt. ·51736
- Halsted, G. B.**
Mensuration ·5118
- Hamilton, D. J.**
Pleuro-pneumonia ·6192
- Hamilton, D. J., and Young, J. M.**
Tuberculosis
In ·61921 : 616995 YOU.
- Hamilton, Sir W. R.**
Elements of quaternions ·5168
Life ·92 : 51 GRA.
- Hammer, E.**
Prakt. Geometrie ·5269
- Hancock, H.**
Max. and min. ·51727
- Handel-Mazzetti, H. von.**
Gattung Taraxacum ·58355
- Hann, J.**
Climatology ·55156
Klimatologie ·55156
Meteorologie ·551502
- Hansen, E. C.**
Fermentation ·6631 : 5899
- Hantzsch, A.**
Stereochemie ·5416
- Hard, M. E.**
Mushroom *f.* ·58922
- Hardy, G. H.**
Single variable ·51731
Theory of numbers ·51281
- Hardy, M. E.**
Geography of plants ·5819
- Hare, A. T.**
Induction coils ·621312
- Harker, A.**
Igneous rocks ·5521
Petrology ·55202
- Harkness, J., and Morley, F.**
Anal. functions ·5175
Theory of functions ·5175
- Harmer, S. F., and Shipley, A. E.**
Cambridge nat. hist. ·59082
- Harnack, A.**
Diff. and int. calc. ·5171
- Harper, R. A.**
Sexual reproduction ·58116 : 5892
- Harriman Expedition** ·5(798)
- Harris, G. F.**
Tertiary Mollusca B.M. ·564(118)
- Harrison, J. B.**
Goldfields of Brit. Guiana
·55341(88)
- Harrow, B.**
Eminent chemists ·54092
Newton to Einstein ·5301
- Harshberger, J. W.**
Mycology ·5892 : 5812
- Hart, D. B.**
Phases of evolution ·57504
- Hartig, R.**
Diseases of trees ·58121 : 634
- Harting, J. E.**
Brit. animals ·599(42)
Brit. birds ·5982(42)
- Hartley, F. W.**
Gas analyst's manual ·6657 ABA.
- Hartmann, R.**
Anthropoid apes ·5998
- Hartz, N.**
Danmarks tertiære flora
·561(118 : 489)
- Harvard Univ.**
Jefferson phys. lab. ·5306(744)
- Harvey, E. N.**
Animal light ·570821 MON. 5
- Harvey, W. H.**
Nereis Boreali-Amer. *f.* ·5893(7)
Phycologia Brit. ·5893(42)
- Haskins, H. D., and Macleod, J. J. R.**
Organ. chem. ·54702
- Hastings, C. S.**
Light ·53504
- Hatch, F. H.**
Petrology ·55202
- Hatch, F. H., and Corstorphine, G. S.**
Geol. of S. Africa ·55(68)
- Hatch, F. H., and Rastall, R. H.**
Petrology ·55202
- Hatschek, B.**
Amphioxus ·5913 : 5971
- Hatschek, E.**
Colloid chem. ·54114
Physics of colloids ·54114
- Hatton, J. L. S.**
Projective geom. ·5135
Theory of imaginary ·5135
- Haug, É.**
Traité de géol. ·5502

HAWAII—HEUSLER

- Hawaii.**
Fauna Hawaiiensis *f.* 5919(969)
- Hay, O. P.**
Foss. turtles 56813(7)
- Hayata, B.**
Flora mont. Formosae 5819(529)
Icones plant. Formosanarum 5819(529)
- Hayes, A. O.**
Wabana iron ore 5533(718)
- Hayward, I. M., and Druce, G. C.**
Flora of Tweedside 5819(414)
- Headley, F. W.**
Life and evolution 575
Structure of birds 5915 : 5982
- Heape, W.**
Embryology 591302
- Heath, Sir T. L.**
Euclid in Greek 5131
- Heather, H. J. S.**
Electrical engineering 621302
- Heaviside, O.**
Elect.-magn. 5383
- Heddle, M. F.**
Mineralog. of Scot. 549(41)
- Hedrick, H. B.**
Tables 51196
- Hedrick, U. P.**
Cherries of New York
f. 6341172(747)
Grapes of New York *f.* 6346(747)
Peaches of New York *f.* 6341161(747)
Plums of New York *f.* 6341171(747)
- Hegi, G.**
Flora v. Mittel-Europa 5819(4)
- Hehn, V.**
Wanderings of plants 58152 : 63
- Heiden, E.**
Lehrb. d. Düngerlehre 6316
- Heilprin, A.**
Distrib. of animals 5919
Mont Pelée 55121(729)
- Heinricher, E.**
Parasit. Samenpflanzen 58169
- Helmholtz, H. L. F. von.**
Abhandlungen 53081
Lectures 504
Physiolog. Optik. 5357
Sensations of tone 5343
Vorlesungen 53081
- Helvet. chim. acta** 5405 H.C.
- Hempel, G., and Wilhelm, K.**
Bäume d. Waldes *f.* 582(4)
- Hempel, J.**
Plant-metabolism 58113
- Hempel, W.**
Gas anal. 543
- Henderson, A.**
Twenty-seven lines 51659
- Henderson, G. G.**
Catalysis 660821 MON. 7
- Henderson, I. F., and W. D.**
Scient. terms 503
- Henderson, L. J.**
Environment 5753
- Henderson, R.**
Estate manager 63
- Henderson Trust**
Rept. 57206 H.T.
- Henkel, F. W.**
Weather science 551502
- Henrich, F.**
Organ. Chemie 54704
- Henrici, O.**
Elem. geometry 5131
Vectors 5168
- Henry, W. A., and Morrison, F. B.**
Feeds and feeding 636043
- Hensel, K.**
Zahlentheorie 51281
- Herdman, W. A.**
Pearl oyster fisheries 6394(267)
- Hering, E.**
Über d. Gedächtnis 5751 : 136
- Heriot, T. H. P.**
Sugar 660821 MON. 10
- Hermann, F.**
Flora v. Deutschland 5819(4)
- Hermann, R. A.**
Geom. optics 53531
- Hermite, C.**
Def. integrals 5173
- Herrick, R. F.**
Denatured alcohol 661722
- Herschel, Sir W.**
Papers 52081
- Hertwig, O.**
Allgemeine Biologie 5763
Biol. problem 5701
Entwickelungslehre d. Wirbeltiere 5913 : 596
- Hertz, H.**
Elect. waves 53856
Mechanics 53101
Werke 53081
- Herz, O.**
Mammuthkadaver 5696
- Herz, W.**
Verteilungssatz 54112
- Hesse, L. O.**
Werke 5108
- Hettner, A.**
Grundzüge d. Länderkunde 551
- Heurck, H. van.**
Diatomaceae 589311
- Heusler, F.**
Terpenes 5472

HEUZÉ—HOOKER

- Heuzé, G.**
Plantes alimentaires .58163
- Hewitt, C. G.**
House fly .59577
- Heywood, H. B.**
Equat. de Fredholm .51738
- Hickel, R.**
Graines et plantules .634 : 5813
- Hicks, W. M.**
Dynamics .5313
- Hiern, W. P., and others.**
African plants B.M. .5819(6)
- Highland and agric. soc. of Scotland.**
Trans. .6306(41) H.
— herd book .636205 H.H.
- Hiley, W. E.**
Fungal diseases of larch .634 : 58124
- Hilgard, E. W.**
Soils .631
- Hill, G. F.**
Arabic numerals .41721
- Hill, G. W.**
Works .52081
- Hill, J. G.**
Calvert Exped. .5(94)
- Hill, M. J. M.**
Euclid, V. and VI. .5131
- Hill, T. G.**
Essentials of illustration .5 : 65553
- Hilton, H.**
Plane curves .5162
Substitutions .51286
- Hincks, T.**
Brit. hydroid zoophytes .5937(42)
Brit. Polyzoa .5947(42)
- Hind, H. L., and Randles, W. B.**
Photo-micrography .578 : 778
- Hind, W.**
Brit. carbon. Lamellib.
P.S. .5641(115 : 42)
Carbonicola, ect. P.S. .5641
- Hinde, G. J.**
Brit. foss. sponges P.S. .5634(42)
Fossil sponges B.M. .5634
- Hinton, C. H.**
Fourth dimension .5138
Scient. romances .5138
- Hinton, M. A. C.**
Rats and mice B.M. .591608 ECO. 8
- Hintze, C.**
Mineralogie .54902
- Hiorns, A. H.**
Metallurgy .66902
Pract. metallurgy .6699
- Hirn, K. E.**
Oedogoniaceen .58932
- Hirshfeld, C. F., and Ulbricht, T. C.**
Gas engines .6317
- Hirschwald, J.**
Gesteinsprüfung .5535
- Hirst, B. C., and Piersol, G. A.**
Human monstrosities f. .5739
- Hirst, S.**
Arachnida B.M. .591608 ECO. 6
- Hitchcock, A. S.**
Grasses .6333141
- Hobbs, W. H.**
Earth features .5514
Glaciers .55131
- Hobson, E. W.**
John Napier .5127
Plane trigonometry .5145
Real variable .5171
Squaring the circle .51321
- Hofer, B.**
Fischkrankheiten .5912 : 597
- Hoff, J. H. van't.**
Atome im Raume .5416
Chem. in space .5416
Ozean. Salzablagerun-
gen .541
Physical chem. .541
Theoret. chem. .541
- Hoff, J. H. van't, and Cohen, E.**
Chem. dynamics .54112
- Hoffmann, M. K.**
Lexikon d. anorgan. Ver-
bind. .54603
- Hofmann, K.**
Radioactiv. Stoffe .54121
- Hofmeister, W.**
Cryptogamia .587
- Hole, R. S.**
Botany for Indian forest
students .634(54) : 58
- Holland, A.**
Ions .53733
- Holland, J. H.**
Plants of Nigeria .5816(669)
- Home Office.**
Mines and quarries .553061 H.O.
- Hommel, W.**
Petrographie .55202
- Hooker, Sir J. D.**
Flora of Brit. India .5819(54)
Life : Huxley .58092
Life : Bower .58092
Students' flora of Brit.
Is. .5819(42)
- Hooker, Sir W. J.**
Companion to Botanical
mag. .5805 B.M.C.
Filices exot. f. .5873
- Hooker, Sir W. J., and Baker, J. G.**
Synopsis filicum .5873
- Hooker's** Icones plan-
tarum .5805 H.I.

HOOKER—IMPERIAL

Hooker's, *journal of botany* ·5805 H.
 — *Lond. journal of botany* ·5805 H.
Hoops, J.
 Waldbäume ·5816(363)
Hopf, L.
 Human species ·5999
Hopkins, A. A.
 Scientific Amer. cyclo-pedia ·6603
Hopkinson, B.
 Papers ·53081
Hopkinson, J.
 Bibliogr. of Tunicata ·5949 : 016
 Papers ·53081
Hoppe-Seyler, F.
 Physiol.-u. path.-chem. Anal. ·543 : 612
Horn *scient. exped.* ·5(94)
Hornell, J.
 Marine zool. of Okhamandal ·5919(267)
Horticultural soc., R.
 Journal ·63506 H.J.
 — *soc. of Lond. Journal* ·63506 H.J.
 Trans. ·63506 H.J.
Horwood, A. R.
 Field botany ·5807
Hose, C., and McDougall, W.
 Pagan tribes of Borneo ·572(911)
Hoskyns, C. W.
 Talpa ·631
Houghton, W.
 Brit. fresh-water fishes f. ·597(42)
Houssay, F.
 Industries of animals ·5915
Houston, R. A.
 Light production ·53589
 Physics ·53023
Howard, L. O.
 Mosquitoes of N. Amer. ·59577(7)
Howchin, W.
 Geol. of S. Australia ·55(942)
Howe, J. A.
 Building stones ·5535
Howes, G. B.
 Pract. biol. ·57084
Howitt, A. W.
 Tribes of S.-E. Australia ·572(94)
Howley, J. P.
 The Beothucks ·572(718)
Howorth, Sir H. H.
 Glacial nightmare ·55131
 Ice or water ·55131
Hubrecht, J. B.
 Solar rotation ·52373

Hudleston, W. H.
 Inf. ool. Gasteropoda P.S. ·5643(1162 : 42)
Hudson, C. T., and Gosse, P. H.
 Rotifera ·59518
Hudson, W. H.
 Birds and man ·5982(42)
Hueppe, F.
 Bakterien-Forschung ·57681
Huggins, Sir W.
 Papers ·52081
 Royal society ·506 L.T.H.
Huggins, Sir W., and M., Lady.
 Stellar spectra ·52387
Hume, W. F.
 Building stones of Cairo ·5535(62)
Hummel, J. J.
 Dyeing ·6672
Hunt, T. F.
 How to choose farm ·63
Hunter, J. de G.
 Earth's axes ·5263
Huntington, E.
 Arid Amer. ·55156(7)
Hurst, G. H.
 Lubricating oils ·665
Husnot, T.
 Cypéracées ·58484(44)
 Graminées f. ·5849(4)
Hutton, C. J.
 Theory of earth ·5501
Hutton, F. W.
 Index faunæ Novæ Zealandiæ ·5919(931)
Huxley, L.
 Life of Sir J. D. Hooker ·58092
Huxley, T. H.
 Anat. of invert. animals ·592
 Compar. anat. ·591404
 Crayfish ·591 : 59538
 Lay sermons ·504
 Man's place in nature ·5731
 Oceanic Hydrozoa f. ·5937(265)
 Physiography ·5514
 Pract. biology ·5707
 Scientific memoirs ·59081
Huyghens, C.
 Ceuvres ·5108
Iddings, J. P.
 Igneous rocks ·5521
 Rock minerals ·54904
 Volcanism ·55121
Ihering, R. von.
 The Aryan ·572(4)
Imperial Institute.
 Bulletin ·6306 I.I.
 — *Institute handbooks.* ·63340821 IMP. 1→

INCE—JAMIESON

- Ince, E. L.**
Descriptive geometry *51082 EDI.
- India.**—Board of scient. advice.
Reports *506(54)
— Botanical survey.
Records *5806(54) B.R.
— Dept. of agric.
Memoirs. Botan. ser. *6306(54) M.B.
Memoirs. Chem. ser. *6306(54) M.C.
Memoirs. Entomol. ser. *6306(54) M.E.
Review of agric. operations in India *6306(54) R.A.
— trigon. survey
Operations *5269(54)
- Indian Museum.**
Alcock's Ind. deep-sea Crustacea f. *5953841(267)
Bentham's Asiatic horns *5997(5)
Craniological data f. *5737
Koehler's Asteroidea f. *59392
Koehler's Echinoderma f. *59392
Koehler and Vaney's Deep-sea Holothuri-idea f. 59396(267)
Koehler and Vaney's Littoral Holothuri-idea f. *59396(267)
Memoirs *5906(54) I.M.M.
Records *5906(54) I.M.B.
Schulze's Indian Triaxonia f. *5934(267)
- Ingersoll, L. R., and Zobel, O. J.**
Theory of heat *5361
- Ingle, H.**
Agric. chem. *63 : 54
- Institute of Chem. of Gt. Brit. and Ireland.**
Proc. *5406 I.C.
Journ. and proc. *5406 I.C.
Chem. appointments *5406 I.C.
History. By R. P. Pilcher *5406 I.C.P.
- Institution of civil engineers.**
Minutes of proc. *6206 I.E.P.
— of Gt. Brit., R.
Proc. *506 R.I.
- Intermédiaire des math.** *5105 I.M.
- Internat. botan. congress** *5806 I.B.
Nomenclature botanique *5801
— congress of zool. *5906 I.C.
— Eugenics congress.
Problems in eugenics *57506 I.C.E.
— federation of master cotton spinners' assoc.
Cotton growing in Egypt In *6334113
Report of visit to Egypt, etc. *6334113
- Internat. Inst. of agric.**
Bureau of agric. intelligence. Bulletins *6306 I.A.A.
Bureau of economic intelligence. Bulletins *6306 I.A.E.
Bureau of statistics. Bulletins *6306 I.A.S.
"Investigator."
Schulze's Indian Triaxonia f. *5934(267)
Thomson and Simpson's Alcyonarians f. *59362
- Iowa.**—Geol. survey.
Repts. *5506(777) R.
- Irish Academy, R.**
Proc. *062 D.P.
Trans. *062 D.T.
— naturalist *5705 I.N.
- Irons, J. C.**
J. Croll *55092
- Jackson, B. D.**
Botanic terms *5803
Literature of botany *58091
Vegetable technology *016 : 5816
- Jackson, J. R.**
Commercial botany *5816
- Jackson, S.**
Arithmetic *5118
- Jacobi, C. G. J.**
Werke *5108
- Jaeger, F. M.**
Lectures on symmetry *504
Symmetry *5101
- Jäger, G.**
Handwörterb. d. Zoologie Ref. *5903
- Jaekel, O.**
Wirbeltiere *566 : 596
- Jänecke, E.**
Alloys *5463
- Jago, W.**
Bread-making *6646
- Jahn, H.**
Elektrochemie *54113
- Jahrb. d. Chem.** *5405 J.C.
— d. drahtlosen T. u. T. *53705 J.T.
- Jahrbücher f. wissensch. Botanik.** *5805 J.W.
- Jahresb. ü. d. Fortsch. d. Chem.** *5405 J.F.
- Jahres-Bericht ü. d. Fortschritte d. Tier-Chemie** *61905 J.F.
- Jameson, H. G.**
Brit. mosses *5882(42)
- Jamieson, A.**
Elementary manual on applied mechanics *621023

JAMIESON—JONES

- Jamieson, A. (continued)**—
 Elementary manual on steam ·6211023
 Magn. and elect. ·537023
 Text-book on applied mechanics ·621022
 Text-book on steam ·6211022
- Jamieson, T.**
 Agric. science in Gt. Brit. ·6309(42)
- Jamin, J. C.**
 Physique ·53021
- Janet, A.**
 Papillons ·59578
- Janet, C.**
 Le Volvox ·5895
- Jansen, M.**
 Achondroplasia ·5739
- Janssonius, H. H.**
 Mikrographie d. Holzes ·581823(922)
- Japan.**
 Agric. in Japan ·63(52)
- Japp, F. R.**
 [Papers] ·54081
- Japp, F. R., and others.**
 Organ. chem. ·54704
- Jeans, J. H.**
 Elect. and magn. ·5371
 Mechanics ·531022
 Problems of cosmogony ·5211
 Theory of gases ·5337
- Jeffrey, E. C.**
 Woody plants ·5818
- Jennings, H. S.**
 Lower organisms ·5915 : 5931
- Jessop, C. M.**
 Line complex ·5165
- Jevons, W. S.**
 Principles of science ·501
- Jillson, W. R.**
 Oil and gas of Kentucky ·55328(769)
- Job, A.**
 Méthode en chimie ·5404
- Jörgensen, A.**
 Mikroorganismen d. Gärungsindustrie ·6631 : 61601
- Johannsen, A.**
 Rock-forming minerals ·54904
- Johannsen, W. L.**
 Erblchkeitslehre ·5751
- Johnson, D. S.**
 Opuntia fulgida ·5813
- Johnson, D. S., and York, H. H.**
 Relation of plants to tide-levels ·5819(26)
- Johnson, D. W.**
 Shore processes ·55135
- Johnson, J. P.**
 Stone implements ·57125(68)
- Johnson, R. H.**
 Evolution in lady-beetles ·575 : 59576
- Johnson, R. H., and Huntley, L. G.**
 Oil and gas product ·55328
- Johnson, W. H.**
 Cocoa ·63340821 IMP. 2
- Johnson, W. W.**
 Diff. equations ·51738
- Johnston, G.**
 Brit. zoophytes ·5935(42)
- Johnston, W. J.**
 Anal. geom. ·516
- Johnstone, J.**
 Life in the sea ·5919(26)
 Philos. of biol. ·5701
- Joly, C. J.**
 Quaternions ·5168
- Joly, J.**
 Radioactivity and geol. ·55 : 54121
- Joly, N.**
 Man ·571
- Jones, D. E.**
 Heat and light ·53602
- Jones, F. W.**
 Arboreal man ·573
- Jones, H. B.**
 Faraday ·92 : 53
- Jones, H. C.**
 Electr. conduct. of salts ·54113
 Freezing-point lowering of solutions ·5418
 Physical chem. ·541
- Jones, H. C., and Anderson, J. A.**
 Absorp. spectra of solutions ·5418
- Jones, H. C., and Guy, J. S.**
 Absorp. spectra of solutions ·5418
- Jones, H. C., and Strong, W. W.**
 Absorp. spectra ·5418
 Absorp. spectra of solutions ·5418
- Jones, H. C., and others.**
 Absorp. spectra of solutions ·5418
 Conductivities ·54113
 Conductivity ·54113
 Hydrates ·5418
- Jones, T. R.**
 Entomostraca of cret. form. P.S. ·56531(117 : 42)
 Foraminifera of Crag P.S. ·56312(1183)
 Foss. Estheriæ P.S. ·56532
 Foss. Foraminifera B.M. ·56312
- Jones, T. R., and Hinde, G. J.**
 Cret. Entomostraca P.S. ·56531(117 : 42)

- Jones, T. R., and Sherborn, C. D.**
Tert. Entomostraca
P.S. '56531(118 : 42)
- Jones, T. R., and Woodward, H.**
Brit. pal. Phyllopoda
P.S. '56532(112 : 42)
- Jones, T. R., and others.**
Brit. foss. Entomos-
traca P.S. '56533(115 : 42)
- Jones, W. N., and Rayner, M. C.**
Plant biology '581
- Jongmans, W. J.**
Karbonpflanzen W.-
Europas '561(115)
- Jordan, C.**
Cours d'analyse '5171
- Jordan, D. S.**
Foot-notes to evolution '57504
- Jordan, D. S., and Evermann, B. W.**
Genera of fishes '597014
- Jordan, D. S., and Heath, H.**
Animal forms '5902
- Jordan, D. S., and Kellogg, V. L.**
Animal life '5902
- Jordan, W. H.**
Feeding of animals '636043
- Joret, C.**
Plantes dans l'antiquité '5809(3)
- Jost, L.**
Plant physiol. '5811
- Jouffret, E.**
Géom. à quatre dim. '5138
- Joule, J. P.**
Papers '53081
- Jourdain, F. C. R.**
Corrections to Birds'
eggs B.M. '5982 OAT.
- Journal de l'Ecole poly-**
technique '5101 J.E.
— de math. '5105 JO.
— de physique '5305 J.P.
— f. Landwirthschaft '6305 J.L.
— f. prakt. Chem. '5405 J.PR.
— of agric. research '6305 J.R.
— — science '6305 J.S.
— of bacteriology '576805 J.B.
— of botany '5805 J.
— of compar. pathol.
and therap. '61905 J.C.
— of ecology '581506 B.E.
— of econ. biol. '5705 E.B.
— of experiment. zool. '59105 E.Z.
— of geol. '5505 J.
— of industrial and en-
gineering chemistry '6605 J.I.
— of microscopy and
nat. science '57805 J.N.
— of physical chem. '5405 J.P.
— of zool. research '5705 E.B.
- Judd, J. W.**
Volcanoes '55121
- Judeich, J. F., and Nitsche, H.**
Forstinsektenkunde '5957(4)
- Jungano, M., and Distaso, A.**
Anaérobies '5768381
- Junk, W.**
Bibliographia botan. '58091
- Justus Liebig's Annalen**
d. Chem. '5405 L.A.
- Kahlbaum, G. W. A.**
Monographien '54082
- Kahlenberg, L.**
Chemistry '5402
- Karsch, A.**
Vademecum botan. '5819(43)
- Karsten, G., and Schenck, H.**
Vegetationsbilder '5819
- Kaye, G. W. C.**
X-rays '54121
- Kayser, H.**
Spectroscopie '5446
- Keane, A. H.**
Ethnology '572
Man '572
- Keane, C. A.**
Organ. chem. '54702
- Kearton, R.**
Brit. birds' nests '5982(42)
Nature and camera '5915
Rarer Brit. birds '5982(42)
- Keibel, F.**
Entwicklungsgesch. d.
Wirbelthiere f. '5913 : 596
- Keilhack, K.**
Prakt. Geol. '5507
- Keith, A.**
Ancient types of man '572
Antiquity of man '571
- Kelland, P., and Tait, P. G.**
Quaternions '5168
- Kellner, O.**
Feeding of animals '636043
Futtermittel d. Handels '6333
- Kellogg, V. L.**
Inheritance in silkworms
'5751 : 59578
Zoology '5902
- Kellogg, V. L., and Ferris, G. F.**
Anoplura of N. Amer. —
mammals '59169 : 599
- Kelvin, Lord.**
Lectures '504
Molecular dynamics '5391
Papers '53081
- Kelvin, Lord, and Tait, P. G.**
Natural philosophy '53021

KEMP—KOMMISSION

- Kemp, J. F.**
Ore dep. of U.S. .5531(7)
- Kempe, A. B.**
Straight line .51511
- Kenngott, A.**
Mineralog., Geol. u. Paläont. Ref. .5503
- Kent, W. S.**
Great barrier reef f. .5936(94)
Infusoria .59315
Naturalist in Australia f. .5919(94)
- Kerner von Marilaun, A.**
Flowers and unbidden guests .58116
Life: Kronfeld .58092
Nat. hist. of plants .5802
Schedae ad flor. Austro-Hungar. .5819(436)
- Kersey, H. W.**
Book-keeping .63 : 657
- Kew.**—R. botanic gardens
By W. J. Bean .5806 K.BEA.
Bulletins .5806 K.
List of names of plants .5801
Reports .5806 K.
Selected papers from Kew bulletin .5806 K.P.
Wild fauna and flora .58
- Key, W. E.**
Heredity .5757
- Kidston, R.**
Palaeozoic plants B.M. .561(112)
- Kienitz-Gerloff, F.**
Botan. Unterricht .5807
- King, F. H.**
Irrigation .6313
Physics of agric. .63 : 53
Soil .631
- King, W.**
Permian fossils P.S. .56(115 : 42)
- Kingsley, J. S.**
Compar. anat. of vertebrates .5914 : 596
- Kingzett, C. T.**
Chem. dictionary .5403
- Kinzbrunner, C.**
Continuous current machines .6213121
- Kirby, W. F.**
European butterflies f. .59578(4)
Orthoptera B.M. .59572
- Kirchner, O. von, and others.**
Blütenpflanzen .5815 : 582(4)
- Kirkman, F. B. B.**
Brit. bird-book .5982(42)
- Kirkpatrick, R.**
Biology of waterworks B.M. .591608 ECO. 7
- Kjellman, F. R.**
Algae of Arctic Sea f. .5893(268)
- Klebahn, H.**
Rostpilze .589225
- Klebs, G.**
Künstl. Metamorphosen .58115 : 5773
Willkür. Entwicklung-sänder .58114
- Klein, F.**
Famous problems .51079
Hypergeom. Funkt. .51738
Ikosahedron .51286
Lectures .5104
- Kleyer, J. F. J.**
Arithmétique .5111
- Klieneberger, C., and Carl, W.**
Blut-Morphol. d. Lab.-Tiere .59185
- Klippart, J. H.**
Land drainage .63141
- Klunzinger, C. B.**
Korallthiere f. .5936(2675)
- Knebel, W. von.**
Höhlenkunde .55144
- Knobel, E. B.**
Ulugh Beg's Cat. .52389
- Knott, C. G.**
Earthquake phenomena .55122
Napier tercentenary .5127
P. G. Tait f. .92 : 53
Tables .51296
- Knuth, P.**
Pollination .58116
- Koehler, R.**
Asteroidea f. .59392 IND.
Echinoderma f. .59392 IND.
- Koehler, R., and Vaney, C.**
Deep-sea Holothurioidea f. .59396(267)
Littoral Holothurioidea f. .59396(267)
- König, J.**
Chemie d. Nahrungsmittel .5431
Landwirtsch. Stoffe .63 : 54
- Koenigsberger, L.**
Helmholtz .92 : 53
- Koerner, A.**
K. botan. Garten in Dahlem f. .58074(4315)
- Kohlrausch, F.**
Abhandlungen .53081
Prakt. Physik .5307
- Kolloidchem. Beihefte.** .5411405 K.B.
- Kolloid-Zeitsch.** .5411405 K.
- Kommission d. deutschen Meere.**
Untersuchungen .506(2612) K.

KOORDERS—LANESSAN

- | | | | |
|--------------------------------------|---------------|-------------------------------------------|----------------|
| Koorders, S. H. | | Lachlan, R. | |
| Botan. Untersuch. | •5892(922) | Pure geometry | •5135 |
| Kopp, H. | | Lachman, A. | |
| Alchemie | •5409 | Organ. chem. | •547 |
| Entwickel. d. Chem. | •5409 | Lacroix, A. | |
| Gesch. d. Chem. | •5409 | Minéralog. de la France | •549(44) |
| Korschelt, E., and Heider, K. | | La Mont. Pelée | f. •55121(729) |
| Embryol. of invertebrates | •591302 : 592 | Lacroix, S. F. | |
| Kraemer, H. | | Arithmétique | •5111 |
| Der Mensch | •572 | Ladenburg, A. | |
| Weltall u. Menschheit | •55 : 573 | Development of chem. | •5409 |
| Kramer, E. | | Handwörterbuch d. Chemie | Ref. •5403 |
| Bakteriologie | •5768 : 63 | Lafar, F. | |
| Krauch, C. | | Tech. mycology | •6631 : 5892 |
| Chem. reagents | •543 | Lagrange, J. L. | |
| Kraus, E. H., and Hunt, W. F. | | Elem. math. | •5104 |
| Mineralogy | •54902 | Equations numériques | •5122 |
| Kraus, G. | | Œuvres | •5108 |
| Boden u. Klima | •5815 | Laguerre, E. N. | |
| Krause, W. | | Œuvres | •5108 |
| Anat. d. Kaninchens | •5914 : 59932 | Lahee, F. H. | |
| Kremann, R. | | Field geol. | •5507 |
| Anwend. d. therm. Analyse | •54111 | Laing, R. M., and Blackwell, E. W. | |
| Physico-chem. theory | •6604 | Plants of N. Zealand | •5819(931) |
| Kronecker, J. | | Lake, P. | |
| Werke | •5103 | Phys. geog. | •5514 |
| Kronfeld, E. M. | | Lake, P., and Rastall, R. H. | |
| A. Kerner von Marilaun | •58092 | Textbook of geol. | •5502 |
| Kuchhoff, G. | | Lalesco, T. | |
| Abhandlungen | •53081 | Equat. intégrales | •51738 |
| Kuckuck, P. | | Lamarck. | |
| Strandwanderer | •5819(26) | Life: Packard | •575092 |
| Kuenen, J. P. | | Lamb, H. | |
| Zustandsgleich. d. Gase | •5412 | Dynamics | •5313 |
| Küster, E. | | Higher mechanics | •5313 |
| Bakterien | •5768 | Hydrodynamics | •5325 |
| Gallen d. Pflanzen | •58122 | Infin. calc. | •5171 |
| Pathol. Pflanzenanat. | •5812 | Sound | •5341 |
| Küster, F. W., and Thiel, A. | | Statics | •5312 |
| Lehrb. d. allgem. Chemie | •541 | Lambert, T. | |
| Kundt, A. | | Bone products | •6316 |
| Experimentalphysik | •53022 | Glue | •66331 |
| Kylin, H. | | Lamé, G. | |
| Algenflora | •5893(48) | Méthodes | •5139 |
| Kyoto Univ. | | Lanchester, F. W. | |
| Memoirs | •506(52) K.M. | Aerodynamics | •5336 |
| Laar, J. J. van. | | Landois, H. | |
| Elektrochemie | •54113 | Zoologie | •5907 |
| Thermodynamik | •54111 | Landolt, H., and Börnstein, R. | |
| Thermodynam. Potential | •54111 | Physikal.-chem. Tabellen | •5419 |
| Labbé, A. | | Landwirtsch. Jahrbücher | •6305 L.J. |
| Cytologie | •5763 | — Versuchs-Stationen | •6305 L.V. |
| Laborde, A. | | Lane, C. H. | |
| Radioactivité | •54121 | Rabbits | •59975 |
| | | Lanessan, J. L. de. | |
| | | Plantes utiles | •5816 |

LANG—LEVY

- | | | | |
|--------------------------------------------------|---------------------|---------------------------------------|-------------|
| Lang, A. | | Le Blanc, M. | |
| Compar. anat. | •591402 | Elektrochemie | •54113 |
| Lang, W. D. | | Le Chatelier, H. | |
| Brit mosquitoes | B.M. •59577(42) | Carbone | •54626 |
| Distrib. of Anopheline | | Lecche, W. | |
| mosquitoes | B.M. •595771(42) | Der Mensch | •573 |
| Langley, S. P., and Abbot, C. G. | | Le Dantec, F. | |
| 1900 eclipse | •52378 | Nature of life | •576 |
| Lankester, Sir E. R. | | Leduc, S. | |
| Extinct animals | •566 | Biologie synthétique | •5773 |
| Kingdom of man | •504 | Lee, A. B. | |
| Zoology | •5902 | Microtomist's vade- | |
| Lankester, Sir E. R., and Traquair, R. H. | | mecum | •5784 |
| Fishes of Old red sand- | | Lefroy, H. M. | |
| stone | P.S. •567(114 : 42) | Indian insect life | •5957(54) |
| Laplace, P. S. de, Marquis. | | Legendre, A. M. | |
| Mécanique celeste | •5211 | Théorie des nombres | •51281 |
| Œuvres | •5108 | Legros, C. V. | |
| Probabilities | •519 | Fabre | •59092 |
| System of world | •5231 | Lehfeldt, R. A. | |
| Lapworth, C. | | Electro-chemistry | •54113 |
| Geol. of Birmingham | •55(4248) | Lehmer, D. N. | |
| Text-book of geol. | •5502 | Factor table | f. •51196 |
| Larmor, J. | | Prime numbers | f. •51196 |
| Aether | •5301 | Leibnitz, G. W. | |
| Lassar-Cohn. | | Math. Schriften | •5108 |
| Organ. chem. | •54702 | Leighton, G. | |
| Scient. chem. | •5402 | Veterinary adviser | •619 |
| Laucks, I. F. | | Leith, C. K. | |
| Commercial oils | •665 | Struct. geol. | •5518 |
| Laughlin, H. H. | | Leith, C. K., and Mead, W. J. | |
| Mitotic stages | •5763 : 58 | Metamorph. geol. | •5524 |
| Launay, L. de. | | Lejeune Dirichlet, P. G. | |
| Géol. de l'Asie | •55(5) | Werke | •5108 |
| Science géol. | •5501 | Zahlentheorie | •51281 |
| Laundy, S. L. | | Lemström, S. | |
| Table | •51196 | Electricity in agric. | •63 : 537 |
| Laurent, H. | | Lenard, P. | |
| Théorie des nombres | •51281 | Kathodenstrahlen | •54121 |
| La Vallée Poussin, C. J. de. | | Lendenfeld, R. von. | |
| Nombres premiers | •51281 | Horny sponges | f. •5934 |
| Lavis, H. J. J. | | Lengfield, F. | |
| Volcanoes of S. Italy | | Inorgan. chem. prep. | •546 |
| | Ref. •016 : 55121 | Leonard, A. G. | |
| Leathem, J. C. | | Lower Niger | •572(669) |
| Integrals | •51734 | Lepper, G. H. | |
| Leathem, J. G. | | From nebula | •5202 |
| Optical instrument | •53581 | Leslie, G., and Herdman, W. A. | |
| Le Bas, G. | | Fauna of Firth of Forth | •5919(2612) |
| Molecular volumes of | | Leteur, F. | |
| chem. compounds | •540821 MON. 7 | Minéralogie | f. •54902 |
| Le Bon, G. | | Leuckart, R. | |
| Evolution of forces | •5301 | Parasites of man | •59169 |
| Évolution de la matière | 5301 | Léveillé, H. | |
| Lebesgue, H. | | Epilobium | •58345 |
| Intégration | •5173 | Onothera | •583445 |
| Séries trigonom. | •5142 | Levy, S. I. | |
| | | Rare earths | •54604 |

LEWES—LOEB

- Lewes, V. B.**
Acetylene .54723
Inorgan. chem. .54602
- Lewis, W. C. M.**
Physical chem. .541
- Lewis, W. J.**
Crystallography .54802
- Lewkowitsch, J.**
Chem. technology .665
- Ley, H.**
Beziehungen zwischen
Farbe u. Konstitution .541
- Leysenne, P.**
Arithmétique .5111
- Libri, G.**
Math. en Italie .5109
- Lie, M. S.**
Continuerliche Gruppen .51286
Transformationsgruppen .51286
- Lie, S.**
Berührungstransf. .51738
Vorlesungen .51738
- Liebig, J. von.**
Life: Shenstone .54092
- Liebig's Annalen d. Chem.** .5405 L.A.
- Liebis, T.**
Krystallographie .5488
- Lightfoot, J.**
Flora Scotica .5819(41)
- Lilienthal, R. V.**
Differentialgeom. .51651
- Lillie, F. R.**
Development of chick .591302
- Lincei.** See *Accademia*.
- Lindau, G., and Sydow, P.**
Thesaurus litt. mycolog. .5892
- Lindgren, W.**
Mineral dep. .5531
- Linnaeus, C.**
Bref och Skrifvelser .58092
Memorials B.M. .5092
Philosophia botan. .5801
- Linna** .5805 L.
- Linnean soc. of Lond.**
Darwin-Wallace cele-
bration .57092
Journal, Botany .5806 L.J.
— Zoology .5906 L.J.
Proc. .5806 L.P.
Trans. .5806 L.T.
— Botany .5806 L.T.
— Zoology .5906 L.T.
- Linstow, O. von.**
Helminthologie .59511
- Linton, W. R.**
Brit. Hieracia .58355(42)
- Liouville's Journal** de
math. .5105 JO.
- Lipman, J. G.**
Bacteria .63: 5768
- Lippmann, E. O. von.**
Alchemie .5409
- Lippmann, G.**
Thermodynamique .5367
- Lister, A.**
Mycetozoa B.M. .58939
- Little, C. C.**
Inheritance of color
In .5751: 59932 CAS.
- Liverpool marine biol. comm.**
Memoirs .57(26)06 L.M.
- Livingston, B. E.**
Desert plants .581116(252)
- Livingston, B. E., and others.**
Plant and soil .631122
- Lloyd, F. E.**
Guayule .633473
Physiol. of stomata .5811
- Lloyd, H.**
Papers .53081
- Lloyd, S. L.**
Fertilizing materials .6316
- Lobatschewsky, N. I.**
Elements of geom. .5138
Parallels .5138
Principles of geom. .5138
- Lock, J. B., and Child, J. M.**
Trigonometry .514
- Lock, R. H.**
Rubber .633473
Variation, heredity, etc. .575
- Lockyer, Sir J. N.**
Dawn of astron. .5209
Solar physics .52376
Stonehenge .913(4231)
Surveying .52699
- Lodeman, E. G.**
Spraying of plants .632942
- Lodge, Sir O. J.**
Electrons .5371
Mechanics .531023
Modern views on matter .0826 ROM.
Pioneers .5209
Signalling .53788
- Loeb, J.**
Compar. physiol. of
brain .59118
Dynamics of living mat-
ter .5773
Forced movements .570821 MON. 1
Gen. physiol. .5911
Mechan. concept. of life .5704
The Organism .577
Parthenogenesis .591162

LOHNIS—LYON

- Löhnis, F.**
Handb. d. Bakteriologie '63 : 5768
Vorlesungen ü Bakteriologie '63 : 5768
- Logan, A. C.**
Old chipped stones '57114(54)
- London.** *See* Linnean soc., and Physical soc.
- London, Edin., and Dubl.**
phil. mag. '505 P.M.
— math. soc.
Proc. '5106 L.
— University.
Francis Galton lab. Memoirs '57506 E.L.
- Loney, S. L.**
Co-ord. geom. '516
Dynamics '5313
Statics '5312
- Long, H. C.**
Plants poisonous to stock '58165
- Long, H. C., and Percival, J.**
Weeds of the farm '6325
- Long, J., and Morton, J. C.**
Dairy '637
- Long, J. A., and Mark, E. L.**
Maturation of egg of mouse '5913
- Lord, N. W., and Demorest, D. J.**
Metallurgical analysis '6699
- Lorentz, H. A.**
Abhandlungen '53081
Electrons '5371
Physik '53022
- Lorenz, L. V.**
Œuvres '53081
- Lorenz, R., and Kaufler, F.**
Elektrochemie '54113
- Loret, V.**
Flore pharaonique '5819(32)
- Loria, G.**
Darstell. Geom. '515
- Lotsy, J. P.**
Botan. Stammesgesch. '58 : 575
Deszendenztheorien '575
Evolution '575
- Loudon, J. C.**
Arboretum Britann. '582(42)
- Louis, H.**
Dressing of minerals '54904
- Love, A. E. H.**
Dynamics '5313
Elasticity '5393
- Low, D. A.**
Applied mechanics '621022
- Lowe, E. J.**
Native ferns '5873(42)
- Lowell, P.**
Evolution of worlds '5231
Mars '52343
- Lowry, T. M.**
Hist. introd. to chem. '5409
- Lowson, J. M.**
Text-bk. of botany '5802
- Lubbock, Sir J.**
See Avebury.
- Lucas, E.**
Récréations math. '51079
Théorie des nombres '51281
- Lucas, R. C.**
Heredity '5751
- Lucas, W. J.**
Brit. dragonflies '59573(42)
Brit. Orthoptera '59572(42)
- Lüpke, R.**
Elektrochemie '54113
- Lull, R. S.**
Organic evolution '575
- Lumière électrique** '53705 L.E.
- Lummer, O.**
Photographic optics '53585
- Lund Universitet.**
Årsskrift '378(485)06 L.
- Lundén, H.**
Affinitätsmessungen '5413
- Lunge, G.**
Coal-tar '6687
Distillation of coal-tar '6687
Tech. methods '66 : 543
Techno-chem. analysis '66 : 543
Sulphuric acid '66125
Tech. chemists' handbk. '6604
- Lupton, S.**
Observations '5198
- Lutz, F. E.**
Drosophila ampelophila '575
Variations of *Gryllus* '5752 : 59572
- Lycett, J.**
Brit. foss. Trigoniae P.S. '5641(42)
- Lydekker, R.**
Domesticated animals B.M. '636
Foss. birds B.M. '5682
Foss. Mammalia B.M. '569
Foss. Reptilia B.M. '5681
Great game animals B.M. '59971
Heads of Indian game B.M. '5997(54)
Horse family B.M. '6361
Ungulate mammals B.M. '59971
Whales B.M. '5995
- Lyell, Sir C.**
Antiquity of man '571
Life '55092
Principles of geol. '5501
- Lyon, T. L.**
Soils and fertilizers '631

LYON—MACMAHON

- Lyon, T. L., and Fippin, E. O.**
Soil management ·631
- Maanen, A. van**
Proper motion ·52383
- Maas, O.**
Entwicklungsgesch. ·5913
- McAlpine, D.**
Botan. atlas *f.* ·5807
Fungus diseases of citrus trees ·6324(94)
Fungus diseases of stone-fruit trees ·6324(94)
Rusts of Australia ·6324(94)
Smuts of Australia ·6324(94)
- McAulay, A.**
Ocotonions ·5163
- McCabe, J.**
Evolution of mind ·575
- McClean, F.**
Spectra of high and low sun *f.* ·52377
Spectra of sun and metals *f.* ·52377
- McClelland, W., and Preston T.**
Spher. trigonometry ·5146
- McClung, R. K.**
Conduction of elect. ·53753
- McCombie, W.**
Cattle ·6362
- McConnell, P.**
Agric. geol. ·63 : 55
- McCoy, F.**
Zool. of Victoria ·5919(945)
- MacCullagh, J.**
Works ·53081
- MacCulloch, J.**
Western islands ·55(4117)
- McCurdy, H., and Castle, W. T.**
Selection ·5751 : 59932
- MacDonald, A.**
Study of man ·573
- Macdonald, H. M.**
Electric waves ·53856
- Macdonald, J., and Sinclair, J.**
Angus cattle ·6362
Hereford cattle ·6362
- Macdonald, W.**
Dry-farming ·6319
- MacDougall, D. T.**
Botan. features of N. Amer. deserts ·5819(252 : 7)
Hydration ·581143
Salton sea ·5(26 : 794)
- MacDougall, D. T., and Cannon, W. A.**
Parasitism in plants ·58123
- Macdougall, D. T., and Spalding, E. S.**
Succulent plants ·5811524
- Macdowell, E. C.**
Inheritance in rabbits ·5751 : 6369
- Macé de Lépinay, J.**
Interférence ·53541
- Macfadyen, A.**
The Cell ·5763
- M'Fadyean, Sir J.**
Anat. of horse ·6361
- MacFarland, F. M.**
Mollusca ·594(81)
- Macfarlane, A.**
British mathematicians ·92 : 5108
Ten British physicists ·92 : 5308
- Macfarlane, J. M.**
Organic evolution ·575
- Macfie, R. C.**
Heredity ·5751
- Macgillivray, W.**
Brit. birds ·5982(42)
Conchologist's text-book ·594
Deeside and Braemar ·5(4125)
Lives of zoologists ·59092
Manual of botany ·5802
Molluscous animals ·594(4125)
Tribute to ·59092
- M'Gowan, J. P.**
"Scrapie" ·61931
- Mach, E.**
Mechanics ·53101
Space and geometry ·51301
- Mache, H., and Schweidler, E. R. von**
Atmosphär. Elect. ·5374
- McInnes, W., and others.**
Coal of world ·5532(∞)
- M'Intosh, W. C.**
Brit. annelids *f.* ·5951(42)
- Mackay, A.**
Lat. and long. of Aberd. ·5266
- Mackay, J. S.**
Plane geom. ·5131
- Mackenzie, K. J. J.**
Cattle ·6362
- Mackie, P. J., and Walker, A. S.**
Keeper's book ·6391
- MacIaren, J. M.**
Gold ·55341
- MacLaurin, C.**
Algebra ·5121
Geom. organica ·51326
Fluxions ·5171
Life Δ TWE ·521
Newton's discoveries
- MacLaurin, R. C.**
Light ·5354
Theory of light ·5351
- Maclean, M.**
Electric practice ·5378
- Macmahon, P. A.**
Comb. analysis ·5125

- Macmunn, C. A.**
 Spectrum anal. ·57 : 5446
McMurry, C. A.
 Special method ·5107
Macnair, P.
 Geol. of Grampians ·55(41)
Macnair, P., and Mort, F.
 Hist. of Geol. Soc. of
 Glasg. ·5506(4143)
Macnamara, N. C.
 Origin of British people ·573(42)
Macpherson, H. B.
 Golden eagle ·5989(41)
MacRitchie, D.
 The Ainos f. ·572(52)
Macvicar, S. M.
 Brit. hepatics ·5882(42)
Madras Govt. museum.
 Foote collection ·571(54)
 — observatory.
 Astr. observations ·5221(548) M A.
 — fisheries bureau.
 Bulletins ·59706(548)
Magazine of nat. hist. ·5705 A.
 — of zool. and bot. ·5705 A.
Magnin, A.
 Monographies botan. ·5819(285 : 44)
Maier-Bode, F.
 Bekämpfung d. Acker-
 Unkräuter ·6325
Maire, R.
 Basidiomycètes ·58922
Makower, W., and Geiger, H.
 Radio-activity ·54121
Malcolm, A.
 System of arith. ·5111
 Treatise of arith. ·5111
Mall, F. P.
 Human monsters ·5739
Malpighia ·5805 M.
Man ·57205 M.
Manchester.
 See **Municipal.**
 — lit. and phil. soc.
 Memoirs ·062 M.M.
 — municipal coll. of tech-
 nology. Technology ·6606 M.S.
Mann, C. R.
 Advanced optics ·53507
Mann, G.
 Chem. of proteids ·547786
Manning, H. P.
 Fourth dimension ·5138
 Non-eucl. geometry ·5138
Manville, O.
 Découvertes en physique ·5301
Marey, E. J.
 Animal mechanism ·59147
Marie, M.
 Sciences math. ·5109
Markoff, A. A.
 Differenzenrechnung ·5176
Marloth, R.
 Flora of S. Africa ·5819(68)
Marquand, E. D.
 Flora of Guernsey ·5819(4234)
Marr, J. E.
 Agric. geol. ·63 : 55
 Geol. of Lake District ·55(428)
 Stratigraph. geol. ·5517
Marret, L.
 Icones floræ Alp. plan-
 tarum ·5819(234)
Marshall, A.
 Explosives ·6622
Marshall, A. M.
 Frog ·591 : 5978
 Vertebrate embryol. ·5913 : 599
Marshall, C. E.
 Microbiology ·5768
Martin, G.
 Industrial chem. ·6602
Martin, R.
 Anthropologie ·572
Martonne, E. de.
 Géographie physique ·5514
Mascart, E.
 Optique ·53502
Maskelyne, N. S.
 Crystallography ·54802
Mason, W. P.
 Exam. of water ·5433
Massart, J.
 Éléments de biol. gén. ·5701
Massee, G.
 Brit. fungus flora ·5892(42)
 Europ. fungus flora ·5892(4)
 Fungi ·5892
 Plant diseases ·58121
Masson, O.
 Chem. elements ·5401
Masters, M. T.
 Veget. teratology ·5812198
Math. Annalen ·5105 M.A.
 — Association.
 Math. journals ·016 : 51
 — gazette ·5105 M.G.
 — notes ·5105 M.N.
 — questions ·5105 M.Q.
Mathematician ·5105 M.
Mathews, F. S.
 Amer. trees and shrubs ·634(73)
Mathews, G. B.
 Equations ·5122
 Theory of numbers ·51281
Mathiàs, E.
 Point critique ·53644

MATSUMURA—MICHIGAN

Matsumura, J.		Merck, E.	
Index plant. Japon.	•5819(52)	Chem. Reagenzien	•543
Matthews, C. G.		Meredith, L. A.	
Alcoholic fermentation	•6631	Tasmanian friends	•5(946)
Mathieu, E.		Merrill, G. P.	
Elasticité	•5393	Non-metallic minerals	•54904
Maurain, C.		Stones	•5535
Magnetisme	•5382	Treatise on rocks	•63 : 55
Maury, M. F.		Merriman, M.	
Phys. geog.	•5514	Least squares	•5198
Phys. geog. of sea	•55146	Messenger of math.	•5105 M.M.
Maw, P. T.		Metchnikoff, E.	
Forestry	•634	Nature of man	•5704
Maxted, E. B.		Meteorol. Committee.	
Ammonia	•54744	Reports	•551506 M.C.
Maxwell, J. Clerk.		— Office.	
Elect. and magn.	•537021	Geophysical memoirs	
Matter and motion	•53104	Weather map	f. •551506 M.O.M.
Papers	•53081	— soc., R.	•5515084
Saturn's rings	•5104	Meteorol. record	•551506 M.R.
Theory of heat	•5361	Quart. journ.	•551506 M.J.J.
Maycock, W. P.		Meunier, S.	
Alternating current	•53855	Hist. géol. de la mer	•55(26)
Mayer, A.		Meyer, A.	
Agrikulturchemie	•63 : 54	Bakterienkunde	•57681
Mayer, A. G.		Meyer, A. W.	
Otenophores	•5938(261)	Hemolymph nodes of	
Medusae	•5937(∞)	sheep	•61931
Scyphomedusæ	•59148 : 59373	Meyer, E. von.	
Mayo, N. S.		Hist. of chem.	•5409
Diseases of animals	•619	Meyer, J.	
Mayr, H.		Allotropie	•5417
Waldbau	•634	Meyer, O. E.	
Meats, T. W.		Theory of gases	•5337
Agric. accounts	•63 : 657	Meyerhoffer, W.	
Medlicott, H. B., and Blanford, W. T.		Gleichgewichte d. Stereo-	
Geol. of India	•55(54)	meren	•5416
Meek, A. S.		Miall L. C.	
Cannibal land	•5(93)	Aquatic insects	•5957(28)
Meek, S. E.		Early naturalists	•5092
Fishes of Mexico	•597(72)	House, garden, etc.	•5704
Mehler, F. G.		Injurious insects	•5916 : 5957
Elementar. Math.	•5102	Round the year	•5704
Melbourne University.		Sirenoid ganoids P.S.	•5674
Papers	•5082	Miall, L. C., and Denny, A.	
Meldola, R.		Cockroach	•59572
Chem. synthesis	•547	Michael, A. D.	
Meldrum, A. N.		Brit. Oribatidæ	•5954(42)
Avogadro and Dalton	•5401	Brit. Tyroglyphidæ	•5954(42)
Mellor, J. W.		Michael, H. A.	
Chem. statics	•54112	Plant chem.	•58119
Higher maths.	•54 : 51	Michaelis, L.	
Inorgan. chem.	•54602	Dynamics of surfaces	•54112
Mendeléeff, D.		Michigan academy.	
Principles of chem.	•54602	Reports	•506(774)
Mennell, F. P.		— agric. coll.— Lab. of bacteriology.	
Petrology	•55202	Lab. manual in micro-	
Menschutkin, H.		biology	•57681
Anal. chem.	•543		

MICHIGAN—MONOGRAPHS

- Michigan University.** *See* Campbell, E. D.
- Museum of zoology.
Occasional papers ·5906(774) M.U.
- Microscopical soc., R.**
Journal ·57806 R.M.
Monthly microscop. journ. ·57806 R.M.
- Miers, H. A.**
Mineralogy ·54902
- Migula, W.**
Pflanzenbiologie ·581
- Mikami, Y.**
Maths. in China ·5109
- Mill, H. R.**
Realm of nature ·5514
- Millais, J. G.**
Brit. game-birds f. ·5915 : 5985
Game-birds f. ·5915 : 5985
Mammals of Gt. Brit. f. ·599(42)
Rhododendrons f. ·58362
- Miller, G. A.**
Math. literature ·5109
- Miller, G. S.**
Mammals of W. Europe B.M. ·599(4)
- Miller, R. K.**
Romance of astr. ·52304
- Millikan, R. A., and Mills, J.**
Mechanics 53022
- Mills, J.**
Thermodynamics ·5367
- Mills, W.**
Animal physiol. ·5911
Compar. physiol. ·5911
- Milne, J.**
Anal. geom. ·516
Earthquakes ·55122
Seismology ·5512
- Milne, W. P.**
Homogeneous co-ord. ·51651
- Milne, W. P., and Westcott, G. J. B.**
Calculus ·5171
- Minchin, E. A.**
Protozoa ·5931
- Minchin, G. M.**
Hydrostatics ·5321
Statics ·5312
- Mineralog. soc.**
Mineralog. mag. and journ. ·54906 M.
- Minet, A.**
Electro-chimie ·54113
- Ministry of agric.**
Agric. statistics ·6306 B.ST.
Diseases of animals acts. Proc. ·6306 B.D.
Grants for agric. educ. ·6306 B.G.
Journ. ·6306 B.J.
- Leaflets ·6306 B.L.
Sale of food and drugs acts. Proc. ·6306 B.S.
Salmon and fresh-water fisheries acts. Proc. ·6306 B.SA.
Sea fisheries acts. Proc. ·6306 B.SE.
Small holdings and allotments act. Proc. ·6306 B.SM.
Tithe acts. Proc. ·6306 B.T.
- Minot, C. S.**
Problem of age ·5763
- Miquel, P.**
Organismes ·5768 : 6147
- Missouri botan. garden.**
Reports ·5806(778)
- Mitchell, C. A.**
Edible oils ·660821 MON. 3
- Mitchell, J. P.**
Water of San Francisco ·5433(794)
- Mitchell, P. C.**
Biology ·5702
Childhood of animals ·5915
- Mitchell, V. G.**
Groups ·51286
- Mivart, St. G.**
Cat ·591 : 59975
Common frog ·591 : 5978
- Möbius A. F.**
Werke ·5108
- Mönkemeyer, W.**
Sumpf- u. Wasser-pflanzen ·5815(28)
- Mohr, F.**
Chem.-anal. Titrimeth. ·5455
- Mohr, O. L., and Wriedt, C.**
Brachyphalangy ·5739
- Moissan, H.**
Cyanogène ·5471
Fluor ·54616
Four électrique ·5428
- Molinari, E.**
Inorganic chem. ·5402
Organic chem. ·5402
- Molisch, H.**
Eisenbakterien ·5768
Pflanzenphysiol. ·5811
Purpurbakterien ·5768
- Monaco.** *See* Musée.
- Monckton, H. W., and Herries, R. S.**
Geol. in field ·5507
- Monet de Lamarck, J. B. P. A.**
Life: Packard ·575092
- Monge, G.**
Géom. descript. ·515
- Monographien landwirtsch. Nutztiere.** ·6360821
- Monographs on experi-ment. biol.** ·570821 MON. 1→

MONOGRAPHS—MUKHOPADHYAY

- Monographs on industrial chem.**
 — on inorgan. and phys. chem. ·660821 MON. 1 → ·540821 MON. 1 →
- Montessus de Ballore, F. de**
 Tremblements de terre ·55122
- Montucla, J. E.**
 Hist. des math. ·5109
- Moodie, R. L.**
 Coal measures Amphibia ·5676(115:7)
- Moon, F. F., and Brown, N. C.**
 Forestry ·634
- Moor, C. G.**
 Recog. of minerals ·54904
- Moore, B. T.**
 Mensuration ·5118
- Moore, C. W., and Wilmer, W. H. C.**
 Minerals of S. Africa ·549(67)
- Moore, F. C.**
 Silkworm moths *f.* ·595787(54)
- Moore, Sir J. W.**
 Meteorology ·551502
- Moore, V. A.**
 Diseases of animals ·619
- Morgan, C. L.**
 Animal behaviour ·5915
 Animal life ·59151
 Habit and instinct ·59151
- Morgan, G. T.**
 Arsenic and antimony ·660821 MON. 4
- Morgan, T. H.**
 Basis of heredity ·570821 MON. 3
 Evolution and adapt. ·575
 Experiment. zool. ·591
 Frog's egg ·5913:5978
 Heredity and sex ·5778
 Regeneration ·591169
 Sexual characters ·5778
 Theory of evolution ·575
- Morgan, T. H., and Bridges, C. B.**
 Inheritance in *Drosophila* ·5751:59577
- Morgan, T. H., and others.**
 Mendelian heredity ·5751
- Moride, E.**
 Savonnerie ·6681
- Moritz, E. R., and Morris, G. H.**
 Brewing ·6634
- Morley, C.**
 Brit. Hymenoptera B.M. ·595792(42)
 Ichneumonidae B.M. ·59579
 Ichneumonologia Brit. ·59579(42)
- Morley, E. W.**
 Densities of oxygen and hydrogen *f.* ·5412
- Morphologisches Jahrb.** ·5905 M.J.
- Morris, D.**
 Resources of W. Indies ·6334(729)
- Morris, F. O.**
 Brit. butterflies ·59578(42)
 Brit. moths ·59578(42)
- Morris, J., and Lycett, J.**
 Mollusca from great oolite P.S. ·564(116:427)
- Morse, A. P.**
 N. Amer. Acridiidae ·595727(7)
- Morse, H. N.**
 Osmotic pressure ·5418
- Morton, J. C.**
 Cyclopaedia of agric. ·6303
 Labour ·6302
- Moseley, H. N.**
 "Challenger" notes ·5(26)
- Moser, A.**
 Organ. Chemie ·547:54113
- Moses, A. J., and Parsons, C. L.**
 Mineralogy ·54902
- Mosier, J. G.**
 Soils and crops ·631:633
- Mosier, J. G. and Gustafson, A. F.**
 Soil physics ·631
- Moss, C. E.**
 Camb. Brit. flora *f.* ·5819(42)
- Moss exchange club.**
 Brit. mosses ·5882(42)
- Moulton, F. R.**
 Astron. ·523022
 Orbits ·5213
- Mourlon, M.**
 Bibliographia geol. ·016:55 B.G.
- Mozans, H. J.**
 Woman in science ·504
- Müller, A.**
 Absolute Raume ·5138
- Mueller, F. von, Baron.**
 Austral. salsolac. plants *f.* ·583914(94)
- Australian acacia ·5819(94)
 Australian plants ·5819(94)
 Plants of Victoria ·5819(945)
- Müller, H.**
 Befrucht. d. Blumen ·58116
 Fertil. of flowers ·58116
- Müntz, A., and Girard, A. C.**
 Engrais ·6316
- Muir, M. M. P.**
 Alchemy ·5409
- Muir, M. M. P., and Wilson, D. M.**
 Thermal chem. ·54111
- Muir, J.**
 Agriculture ·6302
- Muir, Sir T.**
 Determinants ·51283
- Muirhead, G.**
 Birds of Berwickshire ·5982(4145)
- Mukhopadhyay, A.**
 Geom. conics ·51322

MULLENS—NEUMAYER

- Mullens, W. H., and Swann, H. K.**
Bibliography of Brit. ornithology ·016 : 5982
- Municipal school of Technology, Manchester.**
Journal ·6606 M.S.
- Munro, J., and Jamieson, A.**
Electrical rules ·621308
- Munro, R.**
Palæolithic man ·571(1231)
- Murchison, Sir R. I.**
Siluria ·55173
- Murdoch, J. B.**
Geol. of Clyde area ·55(414)
- Murray, A.**
Northern flora ·5819(41)
- Murray, D.**
Museums ·5074
- Murray, D. A.**
Diff. equations ·51738
- Murray, G.**
Antarctic manual ·5(99)
- Murray, Sir J., and Pullar, L.**
Scottish lochs ·5(285)
- Muschler, R.**
Flora of Egypt ·5819(62)
- Musée du Congo.**
Annales. Botanique ·506(493) M.
— Ethnographie ·506(493) M.
— Zoologie ·506(493) M.
— océan. de Monaco.
Bulletin ·506(26) M.
- Museums Assoc.**
Museums journ. ·5906 M.A.
Repts. of proc. ·5906 M.A.
- Museums directory** ·5074
- Muter, J.**
Anal. chem. ·543
- Mysore.**
Meteorol. in Mysore ·551506(54) M.M.
- Mysore.—Meteorol. dept.**
Rainfall ·5515706(54) M.R.
- Nachtrieb, H. F.**
Leeches of Minnesota ·59515(776)
- Nadaillac, J. F. A. de.**
Premiers hommes ·571
- Naegamvala, K. D.**
1898 eclipse ·52378
- Naegeli, C., and Schwendener, S.**
Microscope ·578
- Nanquette, H.**
Technologie forestière ·634
- Napier, J.**
Canon of logarithms ·5127
Memoirs ·92 : 51
- Napier, M.**
John Napier 92 : 51
- Nasmyth, J., and Carpenter, J.**
Moon ·5233
- Nathusius, S. von.**
Rassen unserer Haustiere ·636084
- National acad. of sciences.**
History ·506(73) N.H.
Memoirs ·506(73) N.M.
Proc. ·506(73) N.P.
- Antarctic Exped.
Album of photos. ·5(269)
Magnetic observ. ·5(269)
Meteorology ·5(269)
Natural hist. ·5(269)
Physical observ. ·5(269)
- Naturæ novitates** ·016 : 5 N.N.
- Natural hist. and archeol. soc.**
Trans. ·5706(4136) S.N.
- hist. soc. of Glasg.
Journ. ·5706(4143) N.H.
Proc. ·5706(4143) N.H.
Proc. and trans. ·5706(4143) N.H.
- hist. soc. of Northumberland,
Durham, etc.
Trans. ·5706(4282)
- Naturalist** ·5705 NA.
- Nature** ·505 N.
- La ·505 NA.
- Naturforschender Verein in Brünn.**
Verhandl. ·5706(4372) N.V.
- Naturwissensch. Verein zu Bremen.**
Abhandl. ·5706(4352) N.V.
Jahresbericht In ·5706(4352) N.V.
- Naumann, C. F.**
Mineralogie ·54902
- Nautical almanac** ·528 N.A.
- Néculcéa, E.**
Spectres ultraviolets ·5446
- Neger, F. W.**
Biologie d. Pflanzen ·581
- Neison, E.**
Moon ·5233
- Némec, B.**
Regeneration ·581169
Reizleitung ·5811
- Nernst, W.**
Theoret. chem. ·541
Thermodynamics ·54111
- Nesbit, B. T.**
Mensuration ·5118
- Nettleton, J. A.**
Manufacture of spirit ·6635
- Netto, E.**
Substitutions ·51286
- Neues Jahrb. f. Mineralog.** ·54905 J.M.
- Neumann, B.**
Electrolytic methods ·5453
- Neumayer, G. von.**
Anleitung ·5082

NEUMAYR—NORTH

- Neumayr, M.**
 Erdgeschichte ·5502
 Stämme d. Thierreichs ·562
- Neveu-Lemaire, M.**
 Parasitologie ·59169
- New phytologist** ·5805 N.P.
- New South Wales.**—Botanic gardens
 Reports f. ·5806(944)
 — Department of Mines.
 Repts. ·5506(944) M.
 — Royal soc.
 Trans. ·506(44)
- New York Agric. exp. station.**
 Bulletins ·6306(747) B.
- New Zealand.**—Dept. of agric.
 Reports ·6306(931) B.
 — Geol. survey.
 Bulletins ·5506(931)
- Newbigging, T.**
 Handbook for gas engineers ·6214
- Newbigin, M. I., and Flett, J. S.**
 J. Geikie ·55092
- Newcomb, S.**
 Position of planes ·52385
 Spher. astron. ·5227
 Stars ·5202
 Sun's radiation ·52372
- Newcomb, S., and Ross, F. E.**
 Inequalities ·5214
- Newman, F. W.**
 Math. tracts ·5104
 Trigonometry ·514
- Newman, H. H.**
 Biology of twins ·5751
- Newstead, R.**
 Coccidæ of Brit. Is. ·59575(42)
- Newth, G. S.**
 Chem. exper. ·5407
 Inorgan. chem. ·54602
 Pract. chem. ·542
- Newton, A., and Gadow, H.**
 Dict. of birds ·598203
- Newton, H.**
 In far New Guinea ·572(95)
- Newton, Sir I.**
 Opera ·52081
 Principia ·521
- Newton, R. B.**
 Brit. olig. and eoc. Mol-
 lusca B.M. ·564(1181 : 42)
- Nichol, J. P.**
 Architect. of heavens ·52304
 Neptune ·52348
 Stellar univ. ·52304
 Syst. of world ·52304
- Nicholls, H. A. A.**
 Tropical agric. ·63(213)
- Nichols, E. L., and Merritt, E.**
 Fluorescence ·53537
 Luminescence ·53537
- Nicholson, G.**
 Dict. of gardening ·5803
- Nicholson, H. A.**
 Brit. stromatoporioids P.S. ·5637(42)
 Monticulipora ·5636
 Nat. hist. ·5909(42)
 "Tabulate corals" ·5636(112)
- Nicholson, H. A., and Lydekker, R.**
 Palæontology ·5602
- Nicol, J.**
 Catechism of geol. A
 Elements of mineralogy A
 Geol. of N. of Scot. A
 Guide to geol. of Scot. ·55(41)
 Manual of mineralogy ·54902
- Nielsen, N.**
 Cylinderfunkt. ·51735
- Nielson, Y.**
 Univ. ethnogr. Sam-
 linger ·572
- Niemann, F., and Profé, O.**
 Veterinär-Hygiene ·619 : 6149
- Nietzki, R.**
 Organic dye-stuffs ·6672
- Niggli, P.**
 Mineralogie ·54902
- Nilsson, M. P.**
 Time reckoning ·52904
- Nisbet, J.**
 Forester ·634
 Forestry ·634
- Nitzsch, C. L.**
 Pterylography f. ·5982
- Nocard, E. I. E.**
 Animal tuberculoses ·61921 : 616995
- Nocard, E. I. C., and Leclainche, E.**
 Maladies microbiennes ·619 : 5768
- Nodon, A.**
 Soleil ·5237
- Nordenskiöld, A. E.**
 Vega-expedit. ·5(98)
- Nordisches Plankton** ·5(261)
- Nordstedt, C. F. O.**
 Index desmidiacearum ·58961
- North American fauna** ·5919(7)
 — flora ·5819(7)
 — British agriculturist ·6305 N.B.
 — of Scotland Coll. of
 agric.
 Bulletins ·6306(4125) A.N.
 Former students' assoc.
 Trans. ·6306(4125) A.N.F.
 Minutes and proc.
 Ref. ·6306(4125) A.N.M.

NORTH—PAINLEVÉ

- North Sea fisheries.**
 Investigation comm. repts. ·59706(2612)
Northumberland and Durham. See
 Natural hist. soc.
Norton, T. H.
 Atmospheric nitrogen ·54617
Norwegian N. Atlantic
 exped. f. ·5(261)
Norwegisches meteorol.
 inst.
 Jahrbuch ·551506(48) N.M.
Noyes, W. A.
 Organ. chem. ·54702
Nuovo cemento ·5305 N.C.
 — giornale botan. ital-
 ano ·5805 N.G.
Nutting, C. C.
 Amer. hydroids f. ·5937(7)
- Oates, E. W., and Reid, S. G.**
 Birds' eggs B.M. ·5982
 — Corrections B.M. ·5982
Observatoire de Paris
 Mémoires ·5221(44) P.M.
 Observations ·5221(44) P.O.
Observatoire roy. de Belgique
 Annales ·5221(493) B.A.
 Annuaire astr. ·5221(493) B.A.A.
Observatory ·5205 o.
Ørsted, H. C.
 Elect.-magn. p. ·5383
Ohlsberg, O.
 Funkentelegr. ·53788
Oliveira, E. P. de
 Reg. carbon. dos Estados
 do Sul ·5532(814)
Oliver, D.
 Indian botany ·5819(54)
Oliver, F. W.
 Makers of Brit. botany ·58092(42)
Oliver, S. P.
 Life of P. Commerson ·58092
Oltmanns, F.
 Morphologie d. Algen ·5893 : 581
Onslow, M. W.
 Anthocyanin pigments ·581195
 Plant biochem. ·58119
Ontario nickel comm., R.
 Rept. ·55348
Oppel, A.
 Anat. d. Wirbelthiere ·5918 : 596
Ordnance Survey
 Methods ·5269(42)
Orkney nat hist. soc.
 Orcadian papers ·5706(4112) N.S.
Orloff, J. E.
 Formaldehyd ·54752
- Ormerod, E. A.**
 Eleanor Ormerod, LL.D. ·63092
 Injurious insects ·6327
Ormerod, F.
 Wool ·6363
Orwin, C. S.
 Farm accounts ·63 : 657
Osborn, H. F.
 Age of mammals ·599
 From Greeks to Darwin ·57509
 Origin of life ·575
Osborne, T. B.
 Proteins of wheat kernel ·63311
Osgood, W. F.
 Diff. and int. cal. ·5171
Ost, H.
 Tech. Chemie ·6602
Ostwald, W.
 Allgem. Chemie ·541
 Anal. chem. ·54301
 Conversations ·5407
 Elektrochemie ·54113
 Energie ·53161
 Forderung d. Tages ·501
 Inorgan. chem. ·54602
 Kolloidchemie ·54114
 Solutions ·541
Ostwald's Klassiker
 — — — ·51082
 — — — ·52082
 — — — ·53082
 — — — ·54082
 — — — ·58082
Otto, F. J.
 Chemie ·5402
Owen, Sir R.
 Brit. foss. Cetacea p.s. ·5695(1183 : 42)
 Mammalia of mesoz. form.
 P.S. ·569(116)
 Reptil. of cret. form. P.S. ·5681(117)
 — of Kimmer. clay P.S. ·5681(1162)
 — of liassic form. P.S. ·5681(1162)
 — of mesoz. form. P.S. ·5681(116)
 — of S. Africa B.M. ·5681(68)
 — of Wealdon form. P.S. ·5681(117)
Owen, Sir R., and Bell, T.
 Reptil. of Lond. clay P.S. ·5681(1181)
Owens, J. S., and Case, G. O.
 Coast erosion ·55135
Oxford Univ.
 Astr. catalogue ·5221(42) o.u.
- Packard, A. S.**
 Entomology ·595702
 Geometrid moths ·595785(73)
 Lamarek ·575092
Page, J. M.
 Diff. equations ·51738
Painlevé, P.
 Intégration ·51738

PAISLEY—PETERS

- Paisley naturalists' soc.**
Trans. '5706(4141) P.N.
- Palæontograph. soc.**
Members, monographs,
etc. P.S. '56069
Publications P.S. '56
- Palæontologia universalis** '56
- Palladin, V. I.**
Plant physiol. '5811
- Pammel, L. H.**
Poisonous plants '58165
Weed flora of Iowa '6325(777)
Weeds of the farm '6325
- Pan Amer. Scient. congr.**
Reports '506(7:8) P.A.
- Parasitology** '5916905 P.
- Paris, E. G.**
Index bryologicus '588203
- Paris.** See **Observatoire.**
- Park, J.**
Geol. of New Zealand '55(931)
- Parker, G. H.**
Nervous system '570821 MON. 2
- Parker, T. J.**
Biology '5702
Zoology '5902
- Parker, T. J., and Haswell, W. A.**
Zoology '5902
- Parker, W. K.**
Mammalian descent '599:575
- Parkhurst, J. A.**
Stellar photometry '52382
- Parks, W. A.**
Building stones of Canada '5535(71)
- Parnell, R.**
Grasses of Britain '5849(42)
Grasses of Scot. '5849(41)
- Parsons, C. L.**
Beryllium '54645
- Partington, J. R.**
Inorganic chem. '54602
- Passon, M.**
Agrikulturchemie Ref. '63:5403
- Pasteur, L.**
Life: Vallery-Radot '54092
Vorhand. organ. Körper-
chen '57604
- Paulcke, W.**
Exper. in d. Geol. '5504
- Paxton's mag. of botany** '5805 P.M.
- Pearl, R.**
Variation in Ceratophyl-
lum '5752:583987
- Pearl, R., and Clawson, A. B.**
Variation in crayfish '5752:597
- Pearson, K.**
Grammar of science '501
Life of F. Galton '57092
- Pearson, W. H.**
Canadian Hepaticæ '5883(71)
- Peckham, G. W., and E. G.**
Wasps '5915:59579
- Pedersen, F. M.**
Friction of gases '5337
- Peet, J. O., and Taylor, H.**
Book-keeping '63:657
- Pelourde, F.**
Paléontologie végét. '561
- Pelly, S. A.**
Vertebrate pal. '566
- Pénard, E.**
Faune rhizopodique f. '59311(494)
- Penck, A.**
Erdoberfläche '5514
- Penck, A., and Brückner, E.**
Die Alpen '55179(494)
- Penhallow, D. P.**
Tables for veget. his-
tology '581807
Tertiary plants of B.
Columbia '561(118:711)
- Pennsylvania Chestnut tree blight
commission.**
Publications '634:58123
- Penzig, O.**
Pflanzen-Teratologie '5812198
- Percival, J.**
Agric. bacteriology '63:5768
Agric. botany '63:58
- Perkin, A. G., and Everest, A. E.**
Colouring matters '660821 MON. 8
- Perkin, F. M.**
Electro-chemistry '54113
- Perkin, W. H., and Kipping, F. S.**
Organ. chem. '54702
- Pernter, J. M., and Exner, F. M.**
Optik '535:5515
- Perrin, J.**
Atoms '5412
- Perry, J.**
Applied mechanics '621022
Practical math. '5104
Steam engine '6211022
- Perthshire soc. of nat. science.**
Proc. '5706(4132) P.
Trans. '5706(4132) T.
- Petch, T.**
Hevea brasiliensis '633473:5812
- Peter, K.**
Rekonstruktion '579
- Peters, C. H. F.**
Sun spots '52374
- Peters, C. H. F., and Knobel, E. B.**
Ptolemy's Almagest '52389
- Peters, J.**
Tables f. '51196

PETERSEN—POULTON

- | | | | |
|-----------------------------------|-----------------------|-----------------------------------------|-----------------|
| Petersen, H. E. | | Planck, M. | |
| Polymorphien | •589481 | Physik | •5304 |
| Petersen, J. | | Thermodynamics | •5367 |
| Théorie des équations | •51282 | Wärmestrahlungen | •53633 |
| Petherbridge, F. R. | | Plattner, C. F. | |
| Fungoid and insect pests | •632 | Blowpipe anal. | •543 |
| Petri, L. | | Playfair, J. | |
| Studi sul marciume | •58121 : 6346 | Huttonian theory | •5501 |
| Pettigrew, J. B. | | Ploss, H. | |
| Animal locomotion | •59147 | Das Weib | •573 |
| Design in nature | f. •575 | Plowright, C. B. | |
| Pfeffer, W. | | Brit. Uredineæ | •589225(42) |
| Physiol. of plants | •5811 | Plücker, J. | |
| Pfeiffer, T. | | Abhandlungen | •5108 |
| Vegetationsversuch | •58113 | Plumb, C. S. | |
| Philadelphia. | | Farm animals | •636 |
| See Academy. | | Pocock, R. I. | |
| Philip, A. | | Carb. Arachnida p.s. | •5654(115 : 42) |
| Gregorian calendar | •52904 | Pogson, F. | |
| Philip, J. C. | | Agric. in India | •63(54) |
| Physical chem. | •541 | Poincaré, H. | |
| Romance of mod. chem. | •5404 | Capillarité | •5326 |
| Phillips, A. H. | | Chaleur | •5361 |
| Mineralogy | •54902 | Cinématique | •5311 |
| Phillips, F. C. | | Elasticité | •5367 |
| Chem. German | •54014 : 43 | Electricité et optique | •5371 |
| Phillips, J. | | Figures d'équilibre | •5322 |
| Brit. Belemnitidae | | Hypothèses cosm. | •521 |
| | P.S. 56455(1162 : 42) | Maxwell's theory | •53788 |
| Phillips, W. | | Oscillations | •53856 |
| Brit. Discomycetes | •589233(42) | Probabilités | •519 |
| Philos. mag. | •505 P.M. | Science and hypothesis | •5101 |
| Phin, J. | | Science et méthode | •5101 |
| Seven follies | •504 | Telegraphie sans fil | •53788 |
| Physical soc. of Edin., R. | | Théorie de Maxwell | •53856 |
| Proc. | •5706(4144) P. | Théorie de la lumière | •5351 |
| — soc. of London. | | Thermodynamique | •5367 |
| Memoirs | •53082 | Tourbillons | •53912 |
| Proc. | •5306 L.P. | Valeur de la science | •5101 |
| Physikal. Berichte | •5305 P.B. | Poincaré L. | |
| — Zeitschrift | •5305 P.Z. | New physics | •5309 |
| Phytologist | •5805 P. | Pollack, B. | |
| Picard, E. | | Staining nerv. syst. | •578 |
| Deux variables | •5171 | Polled herd book. | •636205 P.H. |
| Devel. d'analyse | •5171 | Poor, C. L. | |
| Math. en France | •5109 | Solar syst. | •5232 |
| Traité d'analyse | •5171 | Porsch, O. | |
| Pickering, C. | | Spaltöffnungsapparat | •58182211 |
| Hist. of plants | •5809 | Porter, J. B., and Durley, R. J. | |
| Piersig, R. | | Coals of Canada | •5532(71) |
| Deuts. Hydrachniden f. | •5954(43) | Potonié, H. | |
| Pike, O. G. | | Steinkohle | •55323 |
| Birdland byways. | •5982 | Potonié, H., and Gothan, W. | |
| Pinchot, G. | | Paläobotan. Praktikum | •561 |
| Forestry | •634 | Poulton, E. B. | |
| Pirie, G. | | Colours of animals | •591157 |
| Rigid dynamics | Δ | Essays on evolution | •57504 |
| Value of π | Δ | | |

POYNTING—RATTRAY

Poynting, J. H.		Pulle, A. A.	
Density of earth	•52512	Vascular plants from	
Papers	•53081	Surinam	•582(883)
Poynting, J. H., and Thomson, Sir		Pulling, A.	
J. J.		Aberdeen-Angus cattle	•6362
Physics	•53021	Pumpelly, R.	
Prado, E.		Explor. in Turkestan	•55(584)
Geom. anal.	•5161	—	•571(5)
Prain, Sir D.		Punnet, R. C.	
Indian botany	•5819(54)	Mendelism	•5751
Pratt, A. E.		Purton, T.	
New Guinea	•5(95)	Brit. plants	•5819(424)
Preston, T.		Pusa. —Agric. research in-	
Light	•5351	stitute.	
Theory of heat	•5361	Reports	•6306(54) P.A.
Prestwich, J.		Quart. journ. of math.	•5105 q.
Controverted quest.	•5504	— journ. of microscop.	
Geology	•5502	science	•57805 J.M.
Preussische Akad.		Quatrefages, A. de.	
Abhandl.	•063 B.A.	Human species	•572
Sitzungsb.	•063 B.S.	Queensland.	
Prideaux, E. B. R.		Rainfall	•55157(943)
Indicators	•541	Quekett microscop. club.	
Price, T. S.		Journal	•57806 Q.M.
Per-acids	•540821 MON. 2	Rabenhorst, L.	
Price, W. A.		Kryptogam.-Flora v. Deuts.	
Electrical resistance	•537733		•586(43)
Priestly, J.		Radcliffe Observ.	
Scient. correspondence	•54092	Observations	•5221(42) R.O.
Princeton University.		Star catalogues	•5221(42) R.S.
Contrib. from biol. lab.	•5706(749)	Radio Review.	•5405 R.R.
Pring, J. N.		Radium, Le.	•5405 R.
Physical chem.	•541	Rafn, J.	
Pringle, A.		Testing of forest seeds	•634 : 5813
Photo-micrography	•578 : 778	Rainbow, W. J.	
Pringsheim, E.		Australian butterflies	•59578(94)
Physik der Sonne	•5237	Rampon, C.	
Pringsheim, E. G.		Ennemis de l'agric.	•632
Reizbeweg. d. Pflanzen	•58118	Ramsay, A. C.	
Pringsheim, H.		Geol. of Gt. Brit.	55(42)
Variabilität	•5752	Ramsay, Sir W.	
Pritzel, G. A.		Gases of atmosphere	•5409
Iconum botan. index	•5803	Life : Tilden	•54092
Thesaurus lit. botan.	•58091	Ramsey, A. R. J., and Weston, H. C.	
Proctor, R. A.		Explosives	•6622
Chance and luck	•519	Rankine, W. J. M.	
Moon	•5233	Papers	•53081
Myths of astr.	•52304	Ranvier, L.	
Orbs around	•52304	Histologie	•5918
Other suns	•52304	Raoult, F. M.	
Our place	•52304	Cryoscopy	•53643
Poetry of astr.	•52304	Rasmussen, K.	
Saturn	•52346	People of Polar north	•572(98)
Sun	•5237	Rastall, R. H.	
Progressus rei botan.	•5805 P.R.	Agric. geol.	•63 : 55
Pütter, A.		Rattray, J., and Mill, H. R.	
Vergleich. Physiol.	•5911	Forestry	•634

- Ratzel, F.**
Die Erde5501
Hist. of mankind572
- Rayleigh, Lord.**
Papers53081
Sound5341
- Reade, T. M.**
Earth structure5511
Mount. ranges55143
- Reading, University College.**
Agric. educ. Rept.6307
- Reclus, É.**
Phys. geog.5514
Primitive folk572
- Reed, C. A.**
N. Amer. birds eggs5982(7)
- Reed, F. R. C.**
Beilerophontacea P.S. .5643(113:42)
Geol. of Brit. empire55(∞)
L. pal. trilobitesP.S. 565393(112:4142)
- Reed, H. A.**
Topogr. drawing52698
- Reed, H. S.**
Bacteriology63:5768
- Reeves, E. A.**
Hints to travellers5082
- Regenwaarn. in Neder-**
landsch-Indië.5515705 R.
- Rehder, A.**
Bradley bibliography016:634 B.B.
- Rehfous, L.**
Stomates58182211
- Reichert, E. T.**
Starches5811931
- Reichert, E. T., and Brown, A. P.**
Differentiation of pro-
teinsf. 575
- Reid, C.**
Brit. flora5819(42)
- Reid, G. A.**
Evolution of man575
Heredity5751
- Reid, J.**
Scots gard'ner635
- Reid, L. W.**
Theory of numbers51281
- Reinach, S.**
Art quaternaire5717
- Reinhardt, L.**
Nutzpflanzen5816
- Reinke, J.**
AlgenfloraIn f. 5893(2612)
Atlas deuts. Meeresalgenf. 5893(2612)
- Reissert, A.**
Indigo-Synthesen6672
- Remsen, I.**
Inorgan. chem.54602
- Renault, B.**
Microorg. des fossiles56:578
- Rendle, A. B.**
Flowering plants.582
- Rendle, A. B., and Britten, J.**
Seed-plantsB.M. 587(42)
- Rendle, A. B., and others.**
Plants in S. Nigeria B.M. 5819(669)
- Rennie, J.**
Aims of nature study5704
- Renwick, W. G.**
Marble55351
- Repert. annum liter.**
botan.5805 R.L.
- Repert. f. phys. Technik** .5305 R.P.
- Review of Amer. chem.**
research5405 R.A.
- Revue d'anthropologie**
— de math. spéc.5105 R.
— gén. de botan.5805 R.
— scientifique505 R.
- Reye, T.**
Geom. of position5135
- Reynolds, J.**
Geol. atlas of Gt. Brit. .55084(42)
- Reynolds, O.**
Papers53081
- Reynolds, S. H.**
Vertebrate skeleton59149:596
- Ribbert, H.**
Bedeutung d. Krank-
heiten5734
- Ribot, T. A.**
Heredity5751
- Rice, W. N., and others.**
Amer. geol.55(7)
- Richard, J.**
Campagnes du Prince
de Monaco5(26)
- Richards, H. M.**
Acidity in cacti58113
- Richards, T. W.**
Atomic weights5412
Compress. of elements .5412
Electrochem. invest. .54113
- Richards, T. W., and Behr, G. E.**
Electromotive force .537732
- Richards, T. W., and Forbes, G. S.**
Energy changes54104
- Richards, T. W., and Wells, R. C.**
Atom. weights of sodium
and chlorine5412
- Richards, T. W., and Willard, H. H.**
Atomic weights5412
- Richardson, G., and Ramsay, A.**
Modern geom.5135
- Richardson, O.**
Electron theory5301

RICHARDSON—ROSCOE

- Richardson, R. P., and Landis, E. H.**
 Conceptions of math. ·5101
 Numbers, variables ·5101
- Richarz, F.**
 Maxwellsche Theorie ·5371
- Richmond, H. D.**
 Dairy chemistry ·637
- Richter, M. M.**
 Lexikon d. Kohlenstoff-
 Verbind. Ref. ·54703
- Richter, O.**
 Ernährung d. Algen f. ·58113
- Richter, V. von.**
 Inorgan. chem. ·54602
 Organ. chem. ·54702
- Rideal, E. K., and Taylor, H. S.**
 Catalysis ·54112
- Rideal, S.**
 Glue ·66831
- Ridgeway, W.**
 Thoroughbred horse ·6361
- Riemann, B.**
 Œuvres ·5108
- Ries, H.**
 Clays ·55361
- Ries, H., and Watson, T. L.**
 Engin. geol. ·55 : 62211
- Righi, A.**
 Fenomeni elettro-atom. ·5383
 Materia radiante ·54121
 Physical phenomena ·54121
- Righi, A., and Dessau, B.**
 Telegr. ohne Draht ·53788
- Rigollot, H.**
 Actinomètres ·535213
- Rio de Janeiro.—Jardin botanico.**
 Archivos ·5806(8133)
- Observ.
 Annuario ·5221(81) R.A.N.
 Boletim ·5221(81) R.B.
- Ripley, W. Z.**
 Races of Europe ·572(4)
- Risteen, A. D.**
 Theory of matter ·5391
- Ritchie, J.**
 Animal life in Scot. ·5919(41)
- Ritsema, I. C., and Sack, J.**
 Ind. phytochemicus ·54 : 58
- Rivas, D.**
 Human parasitology ·59169
- Rivers, W. H. R., and others.**
 Science of anthropology ·57204
- Robb, A. A.**
 Absolute relations ·5301
 Optical geometry ·5301
 Time and space ·5301
- Robbins, W. W.**
 Botany of crop plants ·63 : 58
- Roberts, C.**
 Anthropometry ·5736
- Roberts, I. P.**
 Farmers' business hand-
 book ·63 : 657
 Farmstead ·63
 Fertility of land ·631
- Roberts, M.**
 Warfare in body ·57 : 61
- Roberts, R. D.**
 Mod. geol. ·5502
- Robertson, D.**
 Life: Stebbing ·59092
- Robertson, T. B.**
 Phys. chem. of proteins ·54778
- Robin, A.**
 La Terre ·5501
- Robinson, H. M., and Cribb, C.**
 Food and drugs ·5431 : 6132
- Robinson, L.**
 Wild traits in tame ani-
 mals ·575
- Rodet, A.**
 Microbes ·5768
- Rodway, J.**
 In Guiana forest ·5819(88)
- Römer, F., and Schaudinn, F.**
 Fauna arctica f. ·5919(98)
- Rogers, A. W.**
 Geol. of Cape Colony ·55(687)
- Rogers, C. C.**
 Conifers ·634 : 5852
- Rohn, K., and Papperitz, E.**
 Darstell. Geom. ·515
- Rolland, E.**
 Flore populaire ·5801 : 398
- Rolleston, G.**
 Forms of animal life ·591402
 Scientific papers ·504
- Romanes, G. J.**
 Animal intelligence ·59151
 Darwin and after D. ·575
 Organic evolution ·575
 Weismannism ·5751
- Ronaldson, J. H.**
 Coal ·5532
- Roscoe, Sir H. E.**
 J. Dalton ·54092
 Life ·54092
 Life: Thorpe ·54092
 Spectrum anal. ·5446
- Roscoe, Sir H. E., and Harden, A.**
 Dalton's atomic theory ·5412
- Roscoe, Sir H. E., and Schorlemmer, C.**
 Chemistry ·5402

ROSENBUSCH—SACKUR

- Rosenbusch, H.**
 Gesteine 5528
 Gesteinlehre 55202
 Physiog. d. Mineral. 55202
- Rosenhain, W.**
 Glass manufacture 6661
- Rostrup, E.**
 Danish fungi 5892(489)
- Roth, G.**
 Europäis. Laubmoose 5882(4)
 — Torfmoose 5882(4)
- Roth, W. A.**
 Physical chem. 541
- Rothamsted experimental station.**
 Memoirs 6306 R.M.
 Reports 6306 R.R.
 Six lectures on investigations 63 : 54 WAR.
 — experiments.
 By Lawes and Gilbert 63 : 54082
 By Hall 63 : 54082
- Roule, L.**
 Embryol. comparée 591302
- Routh, E. J.**
 Anal. statics 5312
 Dynamics 5313
 Rigid dynamics 53136
- Rouy, G., and Foucaud, J.**
 Flore de France 5819(44)
- Rowland, H. A.**
 Papers 53081
- Royal Society.**
 Annals by Huggins 506 L.T.h.
 — by Bonney 506 LO.P.
 — by Geikie 506 LO.R.
 Catalogue of papers 016 : 5 R.S.
 Evolution comm. Repts. 575082
 Internat. Catalogue 016 : 5 →
 — Anthropology 016 : 571
 — Astronomy 016 : 52
 — Bacteriology 016 : 5768
 — Biology 016 : 57
 — Botany 016 : 58
 — Chemistry 016 : 54
 — Geography 016 : 5514
 — Geology 016 : 55
 — Mathematics 016 : 51
 — Mechanics 016 : 531
 — Meteorology 016 : 5515
 — Mineralogy 016 : 549
 — Paleontology 016 : 56
 — Physics 016 : 53
 — Zoology 016 : 59
 Phil. trans. 506 L.T.
 Proc. 506 L.P.
 Record 506 L.T.R.
 Year-book 506 L.Y.
 — of Canada
 Proc. 06(71)
- Royal Society of Edinburgh.**
 Proc. 506 E.P.
 Trans. 506 E.T.
 — of N.S.W. 506(944)
- Rudler, F. W.**
 Minerals of Brit. Is. 54902(42)
- Rudorf, G.**
 Das period. System 5401
- Ruhmer, E.**
 Wireless telephony 53782
- Rumford, Count.**
 Works 53081
- Russell, A.**
 Alternating currents 53855
- Russell, B. A. W.**
 Foundations of geom. 51301
 Math. philosophy 5101
 Principles of math. 5101
- Russell, E. J.**
 Lessons on soil 631
 Manuring 6316
- Russell, H. L.**
 Dairy bacteriology 637 : 5768
- Russell, H. N.**
 Stellar parallax 52381
- Russell, I. C.**
 Lakes of N. Amer. 551481(7)
 River development 551482
- Russell, J. B., and Bell, A. H.**
 Volumetric anal. 5455
- Russell, J. W.**
 Pure geom. 5135
- Russell, R. V., and Läl, R. B. H.**
 Tribes of Central Provinces 572(54)
- Russia.**
 Reforme agraire f. 63(47)
- Rutherford, E.**
 Radioactive substances 54121
 Radioactive transform. 54121
 Radio-activity 54121
- Rutley, F.**
 Granites 5524
- Ryn, J. J. L.**
 Dutch butter 6372(492)
- Ryn, W. van.**
 Stereochemie 5416
- Sabatier, P.**
 Catalyse 54112 : 547
- Saccardo, P. A.**
 Flora italiana 5819(45)09
- Sachs, J. von.**
 Hist. of botany 5809
 Physiol. of plants 5811
 Text-bk. of botany 5802
- Sackur, O.**
 Chem. Affinität 5413

SADEBECK—SCHUBERT

- Sadebeck, R.**
Kulturgewächse d. deuts. Kolonien ·6319
- Sadler, W.**
Bacteria ·637 : 5768
- Sadtler, S. P.**
Industrial organ. chem. ·6617
- Sächsische Gesellsch.**
Abhandl. ·063 *L.A.M.*
- St. John, C.**
Nat. hist in Moray ·5919(4123)
Note-books ·5919(4123)
- Saleeby, C. W.**
Organic evolution ·575
- Salisbury, R. D.**
Physiography ·5514
- Salmon, G.**
Anal. conics ·5161
Anal. geom. three dim. ·5163
Higher algebra ·5128
Higher curves ·51626
- Salomonsen, C. J.**
Bacteriolog. technology ·57681
- Salter, J. W.**
Brit. trilobites p.s. ·565393(112 : 42)
- Sampson, R. A.**
Gravitation ·5301
- Samuel, A. M.**
Herring ·639222
- Sanford, F.**
Electrification ·53704
- Sanson, A.**
Zootechnie ·63602
- Sargent, C. S.**
Trees of N. Amer. ·582(7)
- Sargent, F. L.**
Plants ·5802
- Sars, G. O.**
Crustacea of Norway ·5953(481)
Fauna Norwegiæ ·59532(48)
- Saskatchewan.**
Agric. credit commission. Rept. ·63(7124)
- Saunders, E.**
Hemiptera heteropt. of Brit. Is. ·595754(42)
Hymenoptera acul. of Brit. Is. ·59579(42)
- Saunders, H.**
Brit. birds ·5982(42)
- Sauvageau, C.**
Algues marines ·5893(26)
- Saxby, H. L.**
Birds of Shetland ·5982(4111)
- Saxelby, F. M.**
Practical math. ·5102
- Scales, F. S.**
Microscopy ·578
- Scharff, R. F.**
European fauna ·5919(4)
- Schauinsland, H.**
Entwicklungsgesch. d. Wirbeltiere *f.* ·5913 : 596
- Scheffers, G.**
Diff. u. int. Rechnung ·5171
- Schenck, R.**
Kristall. Flüssigkeiten ·548
- Schenk, A.**
Handbuch d. Botanik ·5802
- Scherer, R.**
Casein ·547786
- Schimper, A. F. W.**
Plant geography ·5819
- Schlich, W.**
Forestry ·634
- Schlick, M.**
Space and time ·5301
- Schneil, O.**
Deuts. Copepoden ·59534(43)
- Schmid, B.**
Naturgesch. Technik. ·507
- Schmidt, A.**
Atlas d. Diatomaceen-Kunde *f.* ·589311
- Schmidt, O.**
Mammalia ·599
- Schmiedeknecht, O.**
Wirbeltiere Europa's ·596(4)
- Schnabel, C.**
Metallurgy ·66902
- Schneider, A.**
Nematoden ·59513
- Schneider, C. K.**
Dendrolog. Winterstudien ·5815
Handwörterb. d. Botanik ·5803
Laubholzkunde ·582 : 634
- Schneider, K. C.**
Histologie d. Tiere ·5918
- Schneidewind, W.**
Stickstoffquellen ·6316
- Schoenflies, A.**
Punktmannigfalt. ·5175
- Schorlemmer, C.**
Organ. chem. ·54709
- Schott, G. A.**
Elect. magn. ·5383
- Schribaux, E., and Nanot, J.**
Botanique agric. ·63 : 58
- Schroeder van der Kolk, J. L. C.**
Bestimmung d. Mineral. ·54904
- Schryver, S. B.**
Biol. chem. ·547 : 57
Chem. of albumens ·547786
- Schubert, H.**
Arithmetik ·5111
Math. essays ·5104

SCHUCHT—SHALER

Schucht, L.
 Fabrikation d. Super-phosphats .6316724

Schultz, G., and Julius, P.
 Organic colouring matters .6672

Schulze, F. E.
 Indian Triaxonia *f.* .5934(267)

Schulze, M.
 Orchidaceen Deuts. .58415(43)

Schuster, A.
 Optics .5351
 Progress of physics .5309

Schuster, A., and Lees, C. H.
 Exercises .5307
 Practical physics .5307

Schuster, A., and Shipley, A. E.
 Britain's heritage .509(42)

Schwalbe, G.
 Vorgeschichte d. Menschen .5732

Schwarz, H. A.
 Abhandlungen .5108

Schwarz, H. E. L.
 Causal geol. .5502

Schweiger-Lerchenfeld, A. von.
 Atlas .52084

Science .505 sc.
 — abstracts .5305 S.A.
 — française .5(44)
 — progress in 20th century .5705 S.P.

Scientia .505 s.

Slater, W. L., and P. L.
 Geography of mammals .599(∞)

"Scotia."
 Ice observation *f.* .551504(261)
 Report *f.* .5(269)
 Voyage .5(269)

Scotland. See Soc. of antiquaries.

Scott, D. H.
 Fossil botany .561
 Structural botany .581

Scott, J.
 Farm engineering .6317

Scott, J., and Morton, J. C.
 Soil .631

Scott, J. W. R.
 Sugar beet .633433
 War time in Holland .63(492)

Scott, R. F.
 Determinants .51283

Scott, R. H.
 Meteorology .551502

Scott, T., and A.
 Brit. Copepoda .59534(42)

Scott, W. B.
 Hist. of mammals .569(7:8)

Scottish arboricultural soc., R.
 Trans. .63406 S.A.
 — farmer .6305 S.F.

Scottish journ. of agric. .6305 S.J.
 — marine biol. assoc. .57(26)06 S.M.
 Rept. .57(26)06 S.M.
 — meteorol. soc. .551506(41) M.S.
 Journ. .5705(41) A.S.
 — naturalist .5905(41) S.N.

Scrope, G. P.
 Volcanoes of France .55121(445)

Searle, A. B.
 Colloids in health .54114:61

Sedgwick, A.
 Zoology .5902

See, T. J. J.
 Stellar systems .5238

Seeley, H. G.
 Dragons of air .5681

Seeligmann, T., and others.
 India rubber .633473

Seitz, A.
 Macrolepidoptera *f.* .595783(∞)

Selenka, E.
 Entwickelungsgesch. d. Tiere *f.* .5913

Seligmann, C. G.
 Melanesians .572(95)

Sella, Q.
 Kristallographie .548082 ost. 1.

Selous, E.
 Bird watcher in Shet-lands .5982(4117)

Semon, R.
 Australian bush .5(94)

Semper, K.
 Conditions of existence .5753

Senter, G.
 Inorgan. chem. .54602

Sergi, G.
 Mediterranean race .572(4)

Sernander, R.
 Myrmekochoren *f.* .58154:595796

Serret, J. A.
 Algèbre supérieure .5128
 Arithmétique .5111
 Calc. diff. et int. .5171

Sewall, C. H.
 Wireless telegr. .53788

Seward, A. C.
 Darwin and mod. science .57092
 Fossil plants .561
 Fossil plants as tests .561:55156
 Mesozoic plants B.M. .561(116)
 Science and nation .504

Sexton, A. H.
 Metallurgy .66902

Shaler, N. S.
 Nature and man .504
 Sea and land .55104

SHARPE—SMITH

- Sharpe, D.**
Cephalopoda P.S. ·5645(117 : 42)
- Sharpe, R. B.**
Allen's Naturalist's libr. ·59082
Birds B.M. ·5982
Hand-list of birds B.M. ·5982
- Shattuck, G. B.**
Bahama Is. ·5(7296)
- Shaw, S. B.**
Linear algebra ·5168
- Shaw, T.**
Animal breeding ·636 : 59156
Feeding farm animals ·636043
Forage crops ·6333
Soiling crops ·6319832
- Shaw, W. N.**
Forecasting weather ·551504
- Shearman, J. N.**
Theology of evolution ·575
- Shelford, R. W. C.**
Borneo ·5(911)
- Shenstone, W. A.**
J. von Liebig ·54092
- Shepherd, E. T.**
Farming ·6302
- Sheppard, S. E.**
Photo-chemistry ·53538
- Sheppard, T.**
Geol. rambles in E. Yorks. ·55(4274)
Lost towns of Yorks. ·55135(4274)
W. Smith ·55081 SMT.S.
- Sherborn, C. D.**
Index animalium Ref. ·5903
- Sherrington, C. S.**
Nervous system ·5911
- Shipley, A. E.**
Pearls ·504
Zool. of Invertebrata ·592
- Shiraki, T.**
Acrididen Japans ·595727(52)
Grylliden von Formosa ·595729(512)
- Shreve, E. B.**
Transpiration in perennial ·581116(252)
- Shreve, F.**
Montane rain-forest ·5811(7292)
Vegetat. of mountain range ·5819(237)
- Shull, G. H.**
Bursa bursa-pastoris ·5752 : 583123
- Sibree, J.**
Madagascar ·5(691)
- Sidgwick, N. V.**
Organ. chem. of nitrogen ·5478
- Silberstein, L.**
Relativity ·5301
Vector algebra ·5168
Vectorial mechanics ·53104
- Sim, G.**
Vertebrate fauna of "Dee" ·596(4125)
- Sim, J.**
Botany of Scotstown Moor ·5819(4125)
- Sim, T. R.**
Forest flora of Portuguese E. Africa ·634(678)
Forests of Cape of Good Hope f. ·634(687)
- Simmons, W. H., and Mitchell, C. A.**
Edible fats ·664
- Simon, E.**
Hist. nat. des araignées ·5954
- Simpson, R. A.**
Jupiter ·52345
- Sinclair, J.**
Shorthorn cattle ·6362
- Singer, C.**
Hist. of science ·509
- Skeat, W. W., and Blagden, C. O.**
Races of Malay Peninsula ·572(595)
- Skene, M.**
Wild flowers ·5819(42)
- Skertchly, S. B. J.**
Hong Kong ·5(512)
- Sladen, F. W. L.**
Humble bee ·59579
- Slater, I. L.**
Brit. Conulariae P.S. ·5644(42)
- Slosson, E. E.**
Creative chem. ·6604
Einstein ·5301
- Smid, B.**
Technik ·507
- Smiles, S.**
Chem. constitution ·548
- Smith, A.**
Inorgan. chem. ·54602
- Smith, A., and Hall, E. H.**
Teaching of chem. ·5407 : 5307
- Smith, A. L.**
Brit. lichens B.M. ·5891(42)
- Smith, C.**
Algebra ·5121
Anal. conics ·5161
Solid geom. ·5163
- Smith, D. E.**
Elem. math. ·5107
Japanese maths. ·5109
Rara arithm. ·016 : 51
- Smith, D. E., and Karpinski, L. C.**
Hindu-Arabic numerals ·41721
- Smith, E. A.**
Zinc industry ·660821 MON. 5
- Smith, E. F.**
Electro-analysis ·54113

SMITH—SOMMERFELDT

- Smith, E. F., and Van Haagen, W. K.**
Atom. weights of boron and fluorine ·5412
- Smith, E. F.**
Bacteria ·5768 : 5812
Bacterial diseases of plants ·58123
- Smith, F.**
Veterinary hygiene ·619 : 6149
— physiol. ·619 : 612
- Smith, G.**
Tasmania ·5(946)
- Smith, G. E.**
Ancient Egyptians ·572(32)
- Smith, H. H.**
Estate management ·63
- Smith, H. J. S.**
Math. papers ·5108
- Smith, J.**
Bible plants ·5809 : 22
Popular names of plants ·581603
- Smith, J.**
Semi-prec. stones of Carrick ·5538(4142)
- Smith, J. B.**
Arithmetic ·5111
- Smith, J. C.**
Paint ·6676
- Smith, Sir J. E.**
Eng. botany [lichens] ·5891(42)
- Smith, J. H.**
Inorgan. chem. ·54604
- Smith, J. P.**
Fossil Cephalopoda ·5645
- Smith, R. M.**
Physiol. of domestic animals ·5911 : 636
- Smith, W.**
Brit. Diatomaceae B.M. ·589311(42)
- Smith, W.**
Maps and memoirs ·55081 SMI. S.
- Smith, W. B.**
Mod. geometry ·5135
- Smith, W. G.**
Brit. fungi B.M. ·5892(42)
Diseases of crops ·632
Drawings of mushrooms B.M. ·589214
- Smith, W. W.**
Fourth dimension ·5138
- Smithsonian Institution.**
Astroph. obser. annals ·5221(753) S.A.
Bulletins of Nat. Mus. ·506(73) S.B.
Contributions ·506(73) S.C.
Misc. coll. ·506(73) S.M.
Reports ·506(73) S.R.
— Institution.—Bureau of ethnology.
Bulletin ·57206(7) B.
Report ·57206(7) R.
- Smithsonian Institution.—U.S. Nat. Museum.**
Bulletins I ·506(73) S.B.
Proc. 1-4 In. ·506(73) S.M.
Proc. 5→ ·5906(73) P.
— Institution. — Nat. herbarium.
Contrib. ·5806(73)
- Snowball, J. C.**
Trigonometry ·514
- Snyder, C.**
New conceptions in science ·504
- Snyder, H.**
Chem. of plant and animal life ·63 : 54
Dairy chemistry ·637
Soils and fertilizers ·631
- Società botan. italiana.**
Bulletino ·5806(45) S.B.
- Societas scient. Upsal., R.**
Nova acta ·506(485) U.S.A.
- Société chim. de France** ·5406(44) S.C.
— chim. de Paris ·5406(44) S.C.
— de biologie.
Cinquantenaire ·57082
— franç. des chrysanthémestes.
Répertoire de couleurs 58 : 752
— franç. de physique.
Mémoires ·53082
- Society of antiquaries of Scot.**
Proc. ·57106(41) A.P.
— of chem. industry.
Journal ·6606 J.S.
— of publ. analysts.
The Analyst ·5406 A.
- Socolow, S.**
Corrélations ·5215
- Soddy, F.**
Matter and energy ·5391
Radio-activity ·54121
Radio-elements ·540821 MON. 1-12
Radium ·54121
Science and life ·504
- Sohn, C. E.**
Act. prin. of plants ·58119
- Soil science.** ·6305 S.S.
- Solereder, H.**
Anat. of dicotyledons ·5818 : 583
- Sollas, W. J.**
Age of earth ·5504
Ancient hunters ·571
- Solms-Laubach, H.**
Fossil botany ·561
- Sommer, J.**
Théorie des nombres ·51281
- Sommerfeldt, E.**
Mineralogie ·54902

SOMMERVILLE—STILLMAN

- Sommerville, D. M. Y.**
 Bibl. of non-eucl. geom. ·5138 : 016
 Non-eucl. geometry ·5138
- Sorauer, P.**
 Pflanzenkrankheiten ·58121
- South Africa geod. survey.**
 Report ·5269(68)
 ——— **Australia**—Dept. of agric.
 Journal ·6306(942) J.
- Southall, J. P. C.**
 Mirrors ·53531
- "Southern Cross."**
 Collections B.M. 5919(99)
- Sowerby, G. B.**
 Brit. conchology ·594(42)
- Spalding, V. M.**
 Desert plants ·5819(252)
- Spearing, H. G.**
 Childhood of art ·5717
- Speedy, T.**
 Nat. hist. of sport ·59 : 799
- Spence, M., and Grant, J.**
 Flora Orcadensis ·5819(4112)
- Spencer, B.**
 Tribes of N. territory of
 Australia ·572(94)
- Spencer, B., and Gillen, F. J.**
 N. tribes of Central
 Australia ·572(94)
- Spencer, H.**
 Principles of biol. ·1928
- Spencer, J. F.**
 Metals of rare earths ·540821 MON. 8
- Spencer, L. J.**
 World's minerals ·549(∞)
- Spiers, F. S.**
 Microscope ·578
- Spitta, E. J.**
 Microscopy ·578
- Spoehr, H. A.**
 Carbohydrate econ. of
 cacti ·58113
- Spon, E., and others.**
 Workshop receipts ·6603
- Spruce, R.**
 Notes of botanist ·5819(8)
- Spry, W. J. J.**
 "Challenger" cruise ·5(26)
- Spurr, J. E.**
 Political geol. ·553(∞)
- Stafford, J.**
 Canadian oyster ·6394(71)
- Stager, H. W.**
 Factor table ·51196
- Stahl, E.**
 Biol. d. Chlorophylls ·58113
 Pflanzen u. Schnecken ·581513 : 594
- Stainton, H. T.**
 Tineina ·595782
 ——— of S. Europe ·595782(4)
 ——— of Syria ·595782(56)
- Stanford's Geol. atlas** ·55084(42) woo.
- Stanley, R.**
 Wireless telegr. ·53788
- Stark, J.**
 Atomdynamik ·5391
- Starke, H.**
 Exper. elect. ·5378
- Starks, E. C.**
 Fishes of Stanford exped. ·597(81)
 Osteology of scombroid
 fishes ·5975 : 591471
 Sesamoid articular ·591471 . 597
- Stas, J. S.**
 Proportions chim. f. ·5412
- Staveley, E. F.**
 Brit. insects ·5957(42)
- Stebbing, E. P.**
 Brit. forestry ·634(42)
 Forest zoology for India ·634(54) : 5916
 Indian forest insects ·634(54) : 59576
- Stebbing, T. R. R.**
 Crustacea ·5953
 Naturalist of Cumbrae ·59092
- Stebler, F. G., and Schröter, C.**
 Best forage plants f. ·6333
- Steel research committee.**
 Report ·6691
- Steiner, S.**
 Werke ·5108
- Steinheil, A., and Voit, E.**
 Applied optics ·5358
- Steinmann, G.**
 Abstammungslehre ·576 : 56
- Stephens, H.**
 Book of the farm ·6302
- Stevens, F. L.**
 Fungi ·58121
- Stevens, N. M.**
 Germ cells of aphids ·59133 : 595772
- Stevens, W. C.**
 Plant anatomy ·5818
- Stevenson, J.**
 Brit. fungi ·589214(42)
 Mycologia Scot. ·5892(41)
- Stewart, A. W.**
 Advances in chem. ·5404
 Organ. chem. ·54704
 Stereochemistry ·5416
- Stewart, B.**
 Physics ·53023
- Stewart, B., and Gee, W. H. H.**
 Pract. phys. ·5307
- Stillman, T. B.**
 Engin. chem. ·545

STIRLING—TAYLOR

- Stirling, W.**
Histology .5918
- Stirling field club**
Trans. .5706(4136) S.N.
- Stockbridge, H. E.**
Rocks and soils .63 : 55
- Stoddart, C. W.**
Chem. of agric. .63 : 54
- Stokes, Sir G. G.**
Light .53504
Papers .53081
- Stokes, R. S. G.**
Mines of Brit. Emp. .549(∞)
- Stone, W. H.**
Sound .53402
- Stoneman, B.**
Plants in S. Africa .5819(68)
- Stopes, M. C.**
Mesozoic plants B.M. .561(116)
- Storer, J.**
Wild white cattle .6362
- Stormonth, J.**
Scient. terms .503
- Stout, A. B.**
Varieties in Coleus .5752 : 58891
- Stow, G. W.**
Native races of S. Africa .572(68)
- Strachey, R.**
Geography .5514
- Strangeways, T.**
Veterinary anat. .619
- Strasburger, E.**
Bestimmung d. Gesch-
lechts .58116
Pract. botany .5807
Riviera .5(4512)
Text-bk. of botany .5802
- Streeter, E. W.**
Precious stones .5538
- Strong, T. B.**
Method of science .5082
- Stroobant, P.**
Observatoires .5221
- Strutt, R. J.**
Becquerel rays .54121
- Sturtevant, A. H.**
Effects of selection .5754
- Sudre, H.**
Rubi Europæ f. .583375(4)
- Suess, E.**
Face of earth .5514
- Sutton, F.**
Volumetric anal. .5455
- Sutton, J. B.**
Evolution .5757
Man in E. Ethiopia .572(6)
- Sutton, M. J.**
Pastures .63331
- Svedberg, T.**
Kolloid. Lösungen .54114
- Svenska vetenskaps-akad., K.**
Åarsbok .506(485) S.V.A.
Arkiv för botanik .5806(485)
Arkiv för kemi, etc. .5406(485)
Arkiv för matematik .5106 s.
Arkiv för zoologi .5906(485)
- Switzerland.**
Kryptogamenflora .586(494)
- Sydow, P., and H.**
Monogr. Uredinearum .589225
- Sykes, W. J.**
Brewing .6634
- Sylvester, J. J.**
Math. papers .5108
- Syme, J. T. B.**
English botany .5819(42)
- Symons, G. J.**
Erupt. of Krakatoa .55121(92)
- Symons' Brit. rainfall** .5515705 B.B.
- Tables annuelles de con-**
stantes .5405 T.A.
- Taft, P. G.**
Thermodynamics .536709
- Tait, P. G.**
Dynamics .531022
Papers .53081
Properties of matter .5301
Recent advances .5309
- Tait, P. G., and Steele, W. J.**
Dynamics .5313
- Talbot, D. A.**
Woman's mysteries .572(669)
- Talbot, E. S.**
Degeneracy .5757
- Tannery, J.**
Arithmétique .5111
Une Variable .5171
- Tannery, P.**
Mémoires .5081
- Tarleton, F. A.**
Attraction .53151
- Tarr, R. S.**
Econ. geol. of U.S. .553(73)
Physiography .5514
- Taschenberg, O.**
Bibliotheca zool. .016 : 59
- Taylor, C.**
Geom. conics .51322
- Taylor, H., and Peet, J. O.**
Book-keeping .63 : 657
- Taylor, I.**
The Aryans .572(4)
- Taylor, J. E.**
Aquarium .59074
- Taylor, J. W.**
Mollusca of Brit. Is. .594(42)

TAYLOR—THURSTON

- Taylor, S.**
Modern homesteads .63 : 72
- Taylor, W. W.**
Colloids .54114
- Teall, J. J. H.**
Brit. petrography .5521(42)
- Technology**
6606 M.S.
- Tesla, N.**
Alternate currents .53855
- Thayer, G. H.**
Concealing-coloration .591157
- Theal, G. M.**
Ethnography of S. Africa .572(68)
- Theobald, F. V.**
Agric. zoology .63 : 59
Brit. flies .59577(42)
Culicidae B.M. .59577
Economic zool. B.M. .5916
- Thomas, H. H., and MacAlister, D. A.**
Ore deposits .5531
- Thomas, N. W.**
Natives of Australia .572(94)
- Thomas, O.**
Agric. prospects of S. Africa .63(68)
- Thomas, O.**
Marsupialia B.M. .5992
- Thomé, O. W.**
Flora v. Deutschland .5819(43)
- Thompson, D. W.**
Bibliogr. of Protozoa .016 : 59
Growth and form .5914
- Thompson, H.**
Veterinary science .619
- Thompson, H. D.**
Solid geom. .5163
- Thompson, H. S.**
Alpine plants .5819(234)
Sub-alpine plants .5819(23435)
- Thompson, S. P.**
Elect. and magn. .537023
Electro-magnet .53833
Light .53507
Polyphase currents .538552
- Thompson, T. P.**
Geom. without axioms .51313
- Thomsen, J.**
Thermochemistry .54111
- Thomson, A. L.**
Britain's birds .5982(42)
- Thomson, A. W.**
Book-keeping .63 : 657
- Thomson, Sir C. W.**
"Challenger" voyage .5(261)
- Thomson, D.**
Acoustics R.R.
- Thomson, G. S.**
Milk testing .6371
- Thomson, J.**
Papers .53081
- Thomson, J. A.**
Animal life .575
Animate nature .20826 G.F.S. 9
Bible of nature .5701
Biol. of seasons .57 : 55156
Darwinism .575
Heredity .5751
Introd. to science .504
Nat. hist. of year .5704
Progress of science .509
Science of life .5709
Secrets of animal life .5704
Sociol. appeal to biol. .57 : 3
Wonder of life .5701
Zoology .5902
- Thomson, J. A., and Simpson, J. J.**
"Investigator" Alcyonarians f. .59362
- Thomson, J. A., and others.**
Alcyonaria f. .59082
Alcyonarians f. .59082
Zool. studies f. .59082
- Thomson, Sir J. J.**
Conduction of electr. .5375
Corpuscular theory .5391
Discharge of elect. .53753
Electricity and magnetism .53704
— — — .5371
Electricity and matter .5371
Ether and matter .5301
Positive electricity .5428
- Thomson, J. P.**
Brit. New Guinea .5(95)
- Thomson, Sir W.**
See Kelvin.
- Thonner, F.**
Blütenpflanzen Afrikas .5819(6)
- Thorburn, A.**
Naturalist's sketch book .5982084
- Thorell, T.**
Spiders of Burma B.M. .5954(592)
- Thorkelsson, T.**
Hot springs of Iceland .55123(4911)
- Thorp, F. H.**
Industrial chem. .6602
- Thorpe, Sir T. E.**
Coal .5532
Dict. of applied chem. Ref. .6603
Hist. chem. .5409
Humphry Davy .54092
Sir H. E. Roscoe .59092
- Thurston, E.**
Castes and tribes of S. India .572(54)

TILDEN—TUTT

- Tilden, Sir W. A.**
 Famous chemists ·54092
 Scient. chem. ·5409
 Sir W. Ramsay ·54092
- Tisdale, C. W. W.**
 Milk testing ·6371
- Tisdale, C. W. W., and Robinson, T. R.**
 Butter-making ·6372
- Tocher, J. F.**
 Pigmentation survey ·5735(41)
- Tod, W. M.**
 Farming ·6302
- Todhunter, I.**
 Algebra ·5121
 Anal. statics ·5312
 Calc. of variat. ·5174
 Co-ord. geom. ·5161
 Diff. calc. ·5172
 Hist. of attraction ·5211
 Hist. of calc. of variat. ·517409
 Hist. of elasticity ·5393
 Hist. of probability ·51909
 Int. calc. ·5173
 Laplace's functions ·51735
 Plane trigonometry ·5145
 Spher. trigonometry ·5146
 Theory of equations ·51282
- Tôhoku math. journ.** ·5105 T.M.
 — Univ.
 Science repts. Geol. ·5506(52) T.U.
 — — Math., etc. ·506(52) T.M.
- Tokio Univ.**
 Journal ·506(52) TO.J.
- Tolman, C. F., and Rogers, A. F.**
 Sulfid ores ·54904
- Tolman, R. C.**
 Relativity ·5301
- Toschi di Fagnano, G. C.**
 Opere ·5108
- Toumey, J. W.**
 Seeding and planting ·634
- Tower, W. L.**
 Evolution in chrysomelid beetles ·575 : 595763
 Evolution in Leptinotarsa ·575 : 595763
- Tower, W. S.**
 Oil ·55328
- Townsend, J. S.**
 Elect. in gases ·53753
 Ionisation of gases ·53733
- Trabert, W.**
 Kosm. Physik ·52 : 53
- Trail, J. W. H.**
 Flora of Buchan ·5819(4125)
 Syllabus ·5807
- Traill, C. P.**
 Pearls and pebbles ·5(71)
- Transvaal.**—Dept. of agric.
 Bacteriol. laboratories ·619(682)
- Traquhair, R. H.**
 Ganoid fishes P.S. ·5674(115 : 42)
- Traube, J.**
 Phys.-chem. methods ·541
- Travers, M. W.**
 Gases ·5427
- Treadwell, F. P.**
 Anal. chem. ·543
- Trelease, W.**
 Decor. gardening. Woody plants ·582 : 634
 Genus Phoradendron ·583941
 Winter botany ·582 : 634
- Tresse, A.**
 Invariants ·51738
- Treutlein, P.**
 Geom. Anschauungs. ·5107
- Trimen, H.**
 Flora of Ceylon ·5819(548)
- Trouessart, E. L.**
 Microbes ·57683
- Troup, R. S.**
 Indian forest ·634(54)
- Trowbridge, J.**
 Electricity ·53704
- Tryon, G. W.**
 Conchology ·594
- Tschirch, A.**
 Pflanzenanatomie ·5818
- Tschudi, F. von.**
 Tierleben d. Alpenwelt ·5919(2343)
- Tubeuf, K. von.**
 Diseases of plants ·58121
- Tullberg, T.**
 Linnéporträtt ·5092
- Tunmann, O.**
 Pflanzenmikrochem. ·58119
- Turin.** See *Accademia*.
 — Univ.—R. observatory.
 Osservaz. meteorol. ·551506(45) T.
- Turner, E. L., and Bahr, P. H.**
 Marsh-birds ·5982(42)
- Turner, H. H.**
 Discovery ·5204
 Modern astron. ·5209
 Tables ·51296
- Turner, W.**
 Turner on birds ·598204
- Turner, W. E. S.**
 Molecular assoc. ·540821 MON. 6
- Turpain, A.**
 Télégraphie ·53781
 Téléphonie ·53782
- Tutt, J. W.**
 Brit. Lepidoptera ·59578(42)
 Brit. Noctuae ·59578(42)

TUTTON—VOLTERRA

- Tutton, A. E. H.**
Crystalline structure ·548
Crystallography ·54802
- Tweedie, C.**
Colin Maclaurin Λ
- Tylor, E. B.**
Anthropol. essays pre-
sented to him ·57208
Anthropology ·572
- Tyndall, J.**
Forms of water ·55192
Glaciers of Alps ·55131(494)
- Tyndall, J., and Francis, W.**
Memoirs ·53082
- Tyneside naturalists' field club.**
Trans. ·5706(4282)
- Uhler, H. S., and Wood, R. W.**
Absorp. spectra ·5446
- Union of S. Africa.—Dept. of agric.**
Reports f. 6306(68) B.
— — — Mines dept.
Reports ·5506(682)
- United States Comm. of fish and fish-
eries.**
Reports ·59706(73)
— — — Dept. of agric.
Bureau of animal in-
dustry. Repts. ·6306(73) A.
Experiment station re-
cord ·6306(73) EX.B.
Hog cholera ·6194
Year-book ·6306(73) Y.
- — — Dept. of commerce—
Bureau of corporations.**
Lumber industry ·634(73)
- — — Geol. Survey.**
Bulletins ·5506(73) B.
Geol. atlas ·55084(73)
Mineral resources ·5506(73) M.
Monographs ·5506(73) MO.
Profess. papers ·5506(73) P.
Publ. ·5506(73) PU.
Repts. ·5506(73) R.
Water supply papers ·5506(73) W.
- Upsala. See Societas.**
— — — Universitets årsskrift. ·378(485)06 U.
- — — University**
Linnéfest ·5092
- Urquhart, Sir T.**
Trissotetras Λ^2
- Usherwood, T. S., and Trimble,
C. J. A.**
Practical math. ·5102
- Usill, G. W.**
Surveying ·5269
- Valbreuze, R. de.**
Télégr. sans fil ·53788
- Valentine, J. T. T.**
London birds ·5982(421)
- Valentiner, W.**
Astronomie ·5203
- Vallery-Radot, R.**
Pasteur ·54092
- Van Slyke, L. L.**
Fertilizers ·6316
- Van Slyke, L. L., and Publow,
C. A.**
Cheese-making ·6373
- Varigny, H. de.**
Experiment. evolution ·57504
- Vasculum** ·5705 V.
- Vasey, G.**
N. Amer. grasses ·6333141(7)
- Vasiliev, A. V.**
Lobachévsky ·5138
- Vaughan, T. W.**
Geol. of W. Indies ·55(729)
- Velenovský, J.**
Morphol. d. Pflanzen ·5814
- Verband d. Laboratoriums-
Vorstände** ·5406(43) V.L.
- Verdet, E.**
Œuvres ·53081
- Vernon, H. M.**
Variation ·5752
- Verrall, G. H.**
Platypezidæ of Gt. Brit. ·59577(42)
Stratiomyidæ of Gt. Brit. ·59577(42)
- Verworn, M.**
Biogenhypothese ·5763
- Victoria.—Geol. survey**
Memoirs f. 5506(945) M.
- Vienna.—See Akademie, and Zoolo-
gisch-botan.**
- Villard, P.**
Rayons cathodiques ·54121
- Ville, G.**
Artificial manures ·63167
Végétation ·63161
- Vines, S. H.**
Students' botany ·5802
- Vines, S. H., and Druce, G. C.**
Morisonian Herbarium ·58074(42)
- Vöchting, H.**
Anat. d. Pflanzen ·5814
- Vogt, C., and Yung, É.**
Anat. comparée ·591402
- Voigt, W.**
Magn. u. Eleckt. Optik ·5386
- Volterra, V.**
Equat. intégrales ·51738
Permutable functions ·5175

VOORHEES—WATT

- Voorhees, E. B.**
Fertilizers ·6316
Forage crops ·6333
- Vorländer, D.**
Kristall.-flüssige Substanzen ·548
- Vredenburg, E. W.**
Geol. of India ·55(54)
- Vries, H. de.**
Gruppenweise Artbildung ·575
Mutation theory ·5752
Opera ·57081
Plant-breeding ·58115
Species ·5752
- Waals, J. D. van der.**
Thermodynamik ·5367
·54111
- Wadia, D. N.**
Geol. of India ·55(54)
- Wahnschaffe, F.**
Examination of soils ·631
- Wakden, S. L.**
Aeroplanes ·53365
- Walden, P.**
Lösungstheorien ·5418
- Waldo, F.**
Mod. meteorol. ·551509
- Walker, C. E.**
Cytology ·5763
- Walker, F.**
Heteropt. Hemiptera B.M. ·595754
- Walker, G. T.**
Elect.-magn. ·5383
- Walker, J.**
Physical chem. ·541
- Walker, J.**
Theory of light ·5351
- Wallace, A. R.**
Darwinism ·5754
Distrib. of animals ·5919
Island life ·5919(22)
Man's place ·52304
Nat. selection ·5754
Tropical nature ·504
- Wallace, F. L.**
Catalogue of shorthorn cattle ·6362
- Wallace, R.**
Farm live stock ·636(42)
Farming industries of Cape Colony ·63(687)
- Wallenberg, G., and Guldberg, A.**
Differenzengleich. ·51738
- Walley, T.**
Bovine scourges ·6192
- Walther, J.**
Geol. von Deutschland ·55(43)
Gesch. d. Erde. ·5501
Wüstenbildung ·55145
- Wang, C. Y.**
Mineral wealth of China ·549(51)
- Wanklyn, J. A., and Chapman, E. T.**
Water anal. ·5433
- Wanklyn, J. A., and Cooper, W. J.**
Air anal. ·5437
- Warburg, E.**
Physik ·53021
- Ward, H. B., and Whipple, G. C.**
Fresh-water biol. ·57(28)
- Ward, H. M.**
Grasses ·6333141
Timber diseases ·58121 : 634
- Ward, R. de C.**
Climate ·55156
- Warington, R.**
Physical properties of soil ·631
- Warming, E.**
Biologiske Arbejder ·58082
Dansk Plantevækst ·5819(489)
Oecology ·5815
- Warren, G. F.**
Agriculture ·6302
- Washington, H. S.**
Chem. anal. of rocks ·5436
Roman comagmatic region ·55(4563)
- Wasmann, E.**
Psychology of ants ·59151
- Waterhouse, C. O.**
Insects B.M. ·5957
- Waterston, J.**
Fleas B.M. ·591608 ECO. 3
- Watson, E. R.**
Colour ·660821 MON. 6
- Watson, G. C.**
Farm poultry ·6365
- Watson, H. C.**
Topograph. botany ·5819(42)
- Watson, J.**
Brit. building stones ·5535
Brit. marbles ·55246
- Watson, W.**
Elementary pract. physics ·5307
Text-bk. of physics ·53022
— of pract. physics ·5307
- Watt, A.**
Electroplating ·53785
- Watt, A. J.**
Psychology of sound ·1522
- Watt, Sir G.**
Commercial products of India ·5816(54)

WATT—WHITEAVES

Watt, Sir G. (continued)—

- Cotton plants ·58317
 Economic products of India ·5819(54) : 5816
Watt, H. J.
 Foundations of music ·7801
Watts, H.
 Dictionary of chem. Ref. ·5403
Watts, W. M.
 Spectra ·5446
 Spectrum anal. ·5446
Weathers, J.
 Commercial gardening ·6351
Weaver, J. E.
 Ecolog. relations of roots ·5815
Webb, H. L.
 Telephone ·53782
Weber, C. O.
 Chem. of india rubber ·633473
Weber, H.
 Algebra ·5121
 Algèbre supérieure ·5128
 Differenzengleich. ·51738
Weber, J. C.
 Alpen-Pflanzen ·5819(2343)
Weber, W.
 Werke ·53081
Webster, A. D.
 National afforestation ·634(42)
 Tree wounds ·634 : 5812
Webster, A. G.
 Dynamics ·5313
Wedekind, E.
 Stereochemie ·5416
Weed, C. M.
 Insects ·6327
Weedon, T.
 Queensland ·63(943)
Weierstrass, K.
 Werke ·5108
Weinschenk, E.
 Petrograph. methods ·55207
 Petrology ·55202
Weismann, A.
 Essays upon heredity ·5751
 Evolution theory ·575
 Germ-plasm ·5751
 Theory of descent ·575
Wells, H. G.
 Biology ·5702
 Zoology ·5902
Welsh, J.
 Algebra Λ
Wendell, L.
 X-ray plates ·54121 : 77
Wentworth, G. A.
 Arithmetic ·5111
Werner, A.
 Inorgan. chem. ·54604

Wernham, H. F.

- Sabicea B.M. ·583291
Wesenberg-Lund, C.
 Plankton of Danish lakes f. ·5919(28 : 489)
West, G. S.
 Algæ ·5893
 Brit. fresh-water algæ ·5893(42)
West, W., and G. S.
 Brit. Desmidiaceae ·589311(42)
West Indian bulletin ·6306(729)
West Indies.—Dept. of
 agric.
 West Indian bulletin ·6306(729)
West of Scotland agric. coll.
 Reports ·6306(4143)
Westaway, F. W.
 Scient. method ·501
Wettstein, R. R. von.
 Vegetat. aus Südbrasilien ·5819(81)
Weule, K.
 Native life in E. Africa ·572(678)
Weyl, T.
 Organ. Chemie ·54702
Weymouth, F. W.
 True crabs ·5953842(794)
Wheatstone, Sir C.
 Papers ·53081
Wheeler, W. H.
 Sea-coast ·55135
Wheeler, W. M.
 Ants ·59579
Wheldon, J. A., and Wilson, A.
 Flora of W. Lancashire ·5819(4272)
Whetham, W. C. D.
 Exper. electricity ·5371
 Recent development ·5309
 Theory of solution ·53733
Whetham, W. C. D., and C. D.
 Science ·509
Whidborne, G. F.
 Devonian fauna P.S. ·562(114 : 423)
Whitby, G. S.
 Plantation rubber ·660821 MON. 11
White, A. H.
 Tech. gas analysis ·665
White, F. B. W.
 Flora of Perthshire ·5819(4132)
White, I. C.
 Relatorio final ·5532(81)
White, J. W.
 Flora of Bristol ·5819(4241)
Whiteaves, J. F.
 Invertebrata of E. Canada ·592(71)

WHITEHEAD—WITHERS

- Whitehead, A. N.**
 Axioms of proj. geom. .513501
 Descript. geom. .51501
 Universal algebra .51286
- Whitehead, A. N., and Russell, B.**
 Principia math. .5101
- Whitehead, J.**
 Mount Kina Balu .5(911)
- Whitelaw, J.**
 Surveying .5269
- Whitford, H. N., and Craig, R. D.**
 Forests of Brit. Columbia .634(711)
- Whiting, A. L.**
 Soil biology .631
- Whitman, C. O.**
 Works .57081
- Whittaker, E. J.**
 Optical instruments .5358
- Whittaker, E. T.**
 Dynamics .5313
- Whittaker, E. T., and Watson, G. N.**
 Modern anal. .5171
- Whitworth, W. A.**
 Choice and chance .519
- Widtsoe, J. A.**
 Dry-farming .6319
- Wiedersheim, R.**
 Compar. anat. of vertebrates .5914 : 596
- Wieland, G. R.**
 Amer. fossil cycads .56159(7)
- Wien, W.**
 Hydrodynamik .53202
- Wiesner, J. von.**
 Lichtgenuss d. Pflanzen .5811323
 Rohstoffe .5816
 Wissensch. Botanik .5802
- Wilcox, E. V.**
 Farm animals .636
- Wilcox, L. M.**
 Irrigation farming .6313
- Wilde, A.**
 Terrest. magnetism .52524
- Wildeman, E. de.**
 Flore du Congo .5819(672)
- Wiley, H. W.**
 Agric. analysis .63 : 54
- Willey, A.**
 Amphioxus .5913 : 5971
 Evolution .575
 Zool. results .5919(93)
- Williams, F. N.**
 Prodrumus flor. Brit. .5819(42)
- Williams, G. H.**
 Crystallography .54802
- Williams, W.**
 Veterinary medicine .619
 — surgery .619
- Williamson, B.**
 Differential calc. .5172
 Int. calc. .5173
- Williamson, B., and Tarleton, F. A.**
 Dynamics .5313
- Williamson, W. C.**
 Foraminifera of Gt. Brit. f. .59312(42)
 Stigmalaria ficoides P.S. .5617
- Willis, J. C.**
 Agric. in tropics .63(213)
 Flowering plants .582
- Willmott, E.**
 Warley garden f. .58072(42)
- Willows, R. S., and Hatschek, E.**
 Surface tension .54112
- Willstätter, R., and Stoll, A.**
 Chlorophyll .5811941
- Wilson, A.**
 Evolution .575
- Wilson, E. B.**
 The Cell .5763
- Wilson, E. B.**
 Advanced calc. .5171
- Wilson, E. H.**
 W. China .5(51)
- Wilson, H. M.**
 Surveying .5269
- Wilson, J.**
 Brit. cattle .6362
 Farm stock .636
 Stock-breeding .63602
- Wilson, J. C.**
 Geom. figures .51079
- Wilson, Sir S.**
 Salmon at antipodes .5975(94)
- Wilson, W. F.**
 David Douglas .58092
- Winans, W.**
 Deer breeding .5997
- Windle, B. C. A.**
 Prehistoric age .571(42)
 What is life? .577
- Wing, H. H.**
 Milk .637
- Winkelmann, A.**
 Physik .53021
- Winkler, H.**
 Parthogenesis .581163
- Winterstein, H.**
 Vergleich. Physiol. .5911
- Wisconsin Univ.—Agric. exp. station.**
 Reports .6306(775) R.
- Witchell, C. A.**
 Bird-song .5915 : 5982
- Withers, J. W.**
 Parallel postulate .51313

- Witt, O. N.**
 Chem. Industrie d. deuts. Reiches ·66(43)
- Wodiska, J.**
 Precious stones ·5538
- Wolff, C. F.**
 Theoria generat. ·5913
- Wolff, E. von.**
 Düngerlehre ·6316
 Farm foods ·6333
 Landwirtsch. wicht. Stoffe ·6316
 Rationelle Fütterung ·6333
- Wollny, E.**
 Saat d. Kulturpflanzen ·633
- Wood, J. K.**
 Dyeing ·6672
- Wood, P. W.**
 Twisted cubic ·5164
- Wood, R. W.**
 Physical optics ·5354
- Wood, S. V.**
 Crag Mollusca P.S. ·564(1183 : 42)
 Eocene bivalves P.S. ·5641(1181 : 42)
- Wood, T. B., and Marshall, F. H. A.**
 Physiol. of farm animals ·5911 : 636
 ·636 : 612
- Wood, W.**
 East Neuk ·5(4133)
- Woodford, C. M.**
 Head-hunters ·5(935)
- Woodhead, G. S.**
 Bacteria ·5768
- Woods, H.**
 Cretac. Lamellib. P.S. ·5641(117 : 42)
 Palaeontol. invert. ·562
- Woodward, A. S.**
 Foss. fishes B.M. ·567
 Foss. fishes of Eng. chalk P.S. ·567(117 : 42)
 Inf. ool. ammonites P.S. 56453(1162 : 42)
 Vertebrate pal. ·566
- Woodward, A. S., and Sherborn, C. D.**
 Brit. foss. Vertebrata ·566(42)
- Woodward, B. B.**
 Pisidium B.M. ·594(42)
- Woodward, H.**
 Brit. carb. trilobites P.S. ·565393(115 : 42)
 Brit. foss. Crustacea P.S. ·565391(42)
 Catal. of Brit. foss. Crustacea B.M. ·5653(42)
 Stanford's Geol. atlas ·55084(42)
- Woodward, H. B.**
 Geol. of soils ·63 : 55
 Hist. of Geol. soc. of Lond. ·5506 GE. W.
- Worsdell, W. C.**
 Plant-teratology ·5812198
- Worthington, A. M.**
 Rigid dynamics ·53136
- Wren, H.**
 Zinc and magnesium ·54793
- Wright, A.**
 Arithmetic H.N. 19. 43
 Fractions M.N. 13. 190
- Wright, A. C.**
 Anal. of oils ·543
- Wright, Sir A. E.**
 Microscopy ·578
- Wright, A. H.**
 N. Amer. Anura ·5978(7)
- Wright, F. B.**
 Distillation of alcohol ·661722
- Wright, F. E.**
 Petro-micros. research ·55207
- Wright, G. F.**
 Man ·571(119)
- Wright, H.**
 Rubber cultivation ·633473
- Wright, H. E.**
 Book for brewers ·6634
- Wright, J., and H. J.**
 Vegetable grower's guide ·6351
- Wright, J. E.**
 Quadratic forms ·51722
- Wright, R. P.**
 Cyclopaedia of agric. Ref. ·6303
- Wright, T.**
 Echin. from cret. form. P.S. ·5639(117 : 42)
 — of oolitic form. P.S. ·5639(116 : 42)
 Lias ammonites P.S. ·56453(1162 : 42)
- Wright, W. B.**
 Quatern. ice age ·55179
- Wrightson, J.**
 Sheep ·6363
- Wüllner, A.**
 Experimentalphysik ·53021
- Wurtz, A.**
 Atomic theory ·5412
 Chem. theory ·5409
 Étude de la chimie ·541
- Wurtz, R.**
 Technique bactériolog. ·57681
- Wysman, P.**
 Genera insectorum ·5957
- Yale Univ. Observ.**
 Reports ·5221(746) Y.R.
 Trans. ·5221(746) Y.T.
- Yntema, L.**
 Starlight ·52382
- Youatt, W.**
 Complete grazier ·6302
 Dog ·59975

YOUNG—ZUIDERZEE

Young, C. A.	
Sun	•5237
Young, J. M.	
Milk of tuberculous cows	In •61921 : 616995
Tuberculin	In •61921 : 616995
Young, J. W.	
Algebra and geom.	•5101
Young, J. W. A.	
Monographs	•51082
Teaching of math.	•5107
Young, S.	
Fract. distillation	•5424
Stoichiometry	•5412
Young, T.	
Works	•53081
Young, W. H.	
Diff. calc.	•5172
Young, W. H., and G. C.	
Sets of points	•51351

Zacharias, O.	
Tier- u. Pflanzenwelt d.	
Süsswa sers	•5919(28)
Zeeman, P.	
Magneto-optics	•53584
Zeiss, C.	
Opt. Instrumente	•5358
Zeitlinger, H., and Sotheran, H. C.	
Bibl. chem.-math.	•016 : 5
Zeitsch. f. anorgan. Chem.	•5405 Z.A.
— f. Biologie	•5705 Z.
— f. Botanik	•5805 Z.B.
— f. Elektrochem.	•5405 Z.E.
— f. Pflanzenkrankheiten	•581205 Z.P.
— f. physikal. Chem.	•5405 Z.P.
— f. wissensch. Mikro-	
skopie	•57805 Z.M.

Zeitsch. f. wissensch. Zool.	
	•5905 W.Z.
Zenneck, J.	
Oscillations	•53856
Télégr. sans fil	•53788
Zentralb. f. Zool.	•5905 Z.ZO.
Ziegler, H. E.	
Natur u. Staat	•57082
Ziegler, V.	
Oil geol.	•55328
Zigno, A. di, Baron.	
Flora foss. oolith.	f. •561(1162)
Zimmerman, H.	
Tables	•51196
Zirkel, F.	
Petrographie	•55202
Zittel, K. A. von.	
Hist. of geol.	•5509
Palæontology	•5602
Zoological record	•5905 Z.R.
— soc. of Lond.	
Proc.	•5906 Z.P.
Trans.	•5906 Z.T.
Zoologisch-botan. Gesel-	
lsch. in Wien.	
Verhandl.	•5706(436) Z.B.
— Verein in Wien.	
Verhandl.	•5706(436) Z.B.
Zoologische Jahrb.	•5905 Z.J.
Zoologischer Anzeiger	•5905 Z.A.
Zoologisches Zentralb.	•5905 Z.Z.
Zoologist	•5905 Z.
Zopf, W.	
Flechtenstoffe	•58119
Zschokke, F.	
Tierwelt d. Hochgebirgs-	
seen	•5919(23)
Zsigmondy, R.	
Colloids	•54114
Zuiderzee-Vereeniging.	
Rapporten	•6392(492)

PLEASE DO NOT REMOVE
CARDS OR SLIPS FROM THIS POCKET

UNIVERSITY OF TORONTO LIBRARY

Z	Aberdeen, Scot. University.
7409	Library. Cruickshank Science
A23	Library
1921	Cruickshank Science
	Library, subject catalogue

